Red Hat CloudForms 3.1 Management Engine 5.3 Technical Notes

Summary text for bug fixes and enhancements in CloudForms
Management Engine errata advisories

CloudForms Documentation Team

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Abstract

This book contains the summary text for bug fixes and enhancements in CloudForms Management Engine errata advisories. Information and procedures in this book are relevant to CloudForms Management Engine administrators.

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Chapter 1. RHSA-2014:1317 - Security Bug Fix and Enhancement Update

Appliance

BZ#1106331

> If a user assigned to any role other then super_admin logged into a CFME instance which did not have a provider configured yet, he would get the generic error message "The system has not been configured, please contact the administrator". The error message has been updated to a more descriptive one - "Logins not allowed, no providers are being managed yet. Please contact the administrator."

BZ#1034477

> Services sub-tabs could not be individually enabled. In order to view one sub-tab a user have to be granted full permissions for the Services tab. The feature check for the Services tab has been updated to enable permissions for individual sub-tabs.

BZ#1029654

> Cloud relationships were not properly exposed to automate service models, resulting in missing key pairs for EC2 instances. A code update fixes the cloud relationships and key pairs for EC2 instances now populate the service models correctly.

BZ#1086015

> Selecting a VM under the Infrastructure tab took anywhere from 10-18 seconds due to slow database queries. Improvements were made in the VM selection code in the appliance. It is now possible to select VMs under the infrastructure tab without a delay.

BZ#1045062

> Deploying multiple virtual machines failed with the following message:
>
> "RhevmApiError: Failed updating the properties of the VM. This may be caused either by:
> 1. The values selected are not appropriate for the VM; or
> 2. Its values cannot be updated while the VM is in UP state (Please shut down the VM in order to modify properties such as CPU or cluster)."
>
> This was caused by RHEV-M returning a state of "complete" in the creation_status URL, leading to a request being made to the RHEV API to change a value on the virtual machine, but the virtual

machine's URL was still reporting a state of "image_locked". A
test has been added to to detect and re-queue the modification
request if the destination image is in a state of "image_locked".
The virtual machines now deploy successfully.

BZ#1045210

A code error caused custom button groups not to appear when
viewing a Service. A code fix enables custom buttons to display
correctly for Service and specific Service Templates on the
Service summary screen.

BZ#1098648

The CFME appliance has two swap utilization thresholds to protect
the operation of the appliance, at 60% and 80%. A bug got
intorduced in these thresholds when the worker management code was
refactored to fix another bugzilla. While the 80% swap
utilization threshold was recognized, neither the 60% nor the 80%
thresholds were honored.
This bug was fixed by re-enabling the check for swap space when
starting workers.
As a result of this fix, the swap utilization thresholds are now
honored correctly.

BZ#1119453

Previously, turning on replication on the Regional Database
caused the backlog to grow indefinitely. As a consequence,
replicating to Master database was unresponsive for a long period
of time and timed out. With this update, the bug has been fixed
and Regional Database replication now works as expected.

BZ#1050208

Dependency issues caused problems when updating CloudForms
Management Engine with multiple default repositories enabled.
This fix adds a set of patches to better manage the subscription
process and limit the updates to the CloudForms Management Engine
repository. This fix also adds a field in the Red Hat Updates
section to define the CloudForms Management Engine repository
name.

BZ#1135050

In the beta version of CloudForms Management Engine 5.3, running
the rake command to precompile assets failed with the error asset
logical path has no extension, for a file named without an
extension. This was because the precompiler could not work with a
filename without an extension. The bug was resolved by excluding
files without extensions from precompiling. Precompiling assets
now works as expected.

BZ#1054901

When provisioning a large number of virtual machines with Red Hat Enterprise Virtualization 3.2, some machines were created but not powered on due to request timeout errors. Timeout support for RHEV-M API calls have been added to the CFME appliance. Virtual machines now power on successfully.

BZ#1004894

With a large number of events in the event queue, the delete event for hosts, clusters, or management systems timed out due to a dead lock. This meant that the user was unable to remove hosts, clusters, or management systems within the Cloud Forms Management Engine environment. Changes were made so that the purger component would handle all events. The user is now able to remove hosts, clusters, and management systems within the Cloud Forms Management Engine environment.

BZ#1058261

Certain charts and dash board graphics were not displayed correctly in Internet Explorer 8 due to incorrect browser detection. The browser detection code was updated to ensure that Internet Explorer 8 was detected correctly. All graphics and charts are not displayed correctly in Internet Explorer 8.

BZ#1095407

Automation that should be zone specific for a certain EMS was being picked up by other zones. This was causing automation to fail because the EMS severs in that zone do not have access to the vCenter. Since a service request zone is always nil, VM provisions tasks can fail when running under a service request due to selecting the wrong zone.

Request tasks should use the zone of their source object not the request. Updated file vmdb/app/models/miq_request_task/state_machine.rb which has now fixed the issue and the automation does not fail.

BZ#1058915

When connecting to a virtual machine from Red Hat CloudForms EVM using the latest version of VMRC, the process failed to complete, resulting in issues like the console button being rendered unusable, or error messages such as the VMRC plugin not being installed or that the feature is only available in Firefox or Internet Explorer. The two major issues were that EVM was using previously installed versions of VMRC rather than the most updated ones and that EVM, in some cases, was incorrectly detecting Internet Explorer 11 as Firefox and providing wrong paths. These issues have been fixed in the most recent version. Connecting to a virtual machine from Red Hat CloudForms EVM should work correctly.

BZ#1121202

The vmdb/public/assets directory did not exist on product appliance builds during development stages of CFME 5.3.0. The build process was changed to precompile the assets and make them available as a part of the source tarball used to build CFME. The assets directory is now available as expected.

BZ#1079887

The virtual machines configuration management report was querying the incorrect data field when looking up the number of available vCPUs in a virtual machine. This meant that the Cloud Forms Management Engine was not reporting the number of vCPUs correctly when integrated with the Red Hat Enterprise Virtualization product. The virtual machines configuration management report was changed to query the correct data field. Additional changes were also made to ensure that accurate data is available in this field. The number of vCPUs are now reported correctly in the virtual machines configuration management report.

BZ#1072113

When a user only had access to Services trees saw their VMs in a dashboard widget and clicked on them, they were directed to Infrastructure / Virtual Machines rather than Services / Workloads. A blank screen with no results displayed, and the production.log showed the following error message :

FATAL -- : Error caught: [RuntimeError] User is not allowed to access Virtual Machines, please contact your Administrator

This fix adds code to redirect users to the workloads explorer from the dashboard widget if they do not have access to accordions in the VM Infrastructure or VM Cloud explorers.

BZ#984774

In the previous version of CloudForms Management Engine, orphaned templates were listed when attempting to create a catalog. Selecting an orphaned template resulted in the error that the template was orphaned and could not be used for provisioning. This bug was fixed by filtering out orphaned templates from the list of available templates displayed while creating a catalog. As a result of this change, the user no longer encounters the orphaned template error when creating a catalog.

BZ#1095467

In the older version of Cloud Forms Management Engine, generating a custom report resulted in the error "No class found for explorer tree node type 2". This was because the custom report was queued with incorrect options for the tree view system. This bug was

fixed by queuing custom reports with the correct options for the
tree view system. Users are now able to run custom reports as
required.

BZ#1060315

Previously, browsing the 5.2.1.8 user interface using an Internet
Explorer 8 browser resulted in an "Error 403 Forbidden Page"
error. Internet Explorer does not set a page referer by default
when using the page.redirect_to method. This fix sets the referer
via javascript when page.redirect_to is called and redirects to
the correct URL.

BZ#1095398

In the older version of Cloud Forms Management Engine, an
unexpected error "Class 'NilClass' is not eligible for
classification" was encountered while editing CFME server
relationship for a virtual machine. This was because of incorrect
parameters being passed to the tag retrieval function. This issue
was fixed by passing in the correct parameters to the tag
retrieval function. Users are now able to edit CFME server
relationship for any virtual machine as expected.

BZ#1058450

During the migration of VMware virtual machines, a type error
caused the migration to fail with a UI error. This was caused by a
refactor of the allowed_ci method in vm_migrate_workflow, which
required sub-classed models to override and pass a list of
sources. The call has been fixed, and virtual machine migration
succeeds.

BZ#1061482

In the older version of Cloud Forms Management Engine, generating
a PDF from the Infrastructure or Providers pages resulted in an
user interface error. This was due to missing information critical
for generating the PDFs. This bug was fixed by adding in the
missing information required for generating the PDFs. PDFs can now
be generated as expected from the Infrastructure or Providers
pages.

BZ#1057753

When adding a user's email id to receive an alert when a VM's
memory allocation was increased, an undefined method error was
generated. This error was fixed in the latest version of CFME.
Users can now be successfully added to receive email alerts when a
VM's memory allocation is increased.

BZ#1057399

In the older version of Cloud Forms Management Engine, the button to access the console for a VM hosted on VMWare vSphere was disabled in certain Internet explorer and Chrome browser versions. It was enabled but crashed the browser in Firefox. These browser issues were fixed in the new version of Cloud Forms Management Engine, so that the console button is now enabled correctly.

BZ#997911

In Control > Explorer > Policy, creating a policy with event as "Host Auth Error" or "Host Auth. Incomplete Credentials" that is associated with an action, does not trigger policies associated with the events. In the expected scenarios, events host_auth_error or host_auth_incomplete are not getting raised, and always call the "host_auth_invalid" instead.

BZ#1094884

In the older version of Cloud Forms Management Engine, editing the meta data for any PXE boot image resulted in the error, 'undefined local variable or method', as a result the meta data edit failed. This bug was due to a typographic error in the code. The bug was fixed by correcting the coding error, allowing users to edit PXE boot image meta data as expected.

BZ#1057396

When users belonging to more than one LDAP group attempted switching from one group to another via the CFME user interface, the user interface either denied access or resulted in a white screen. An HTTP referer check has been implemented to check for privileges and the session referer is now saved when a user switches groups. The user switching groups should now see the dashboard for the target user group.

BZ#1072494

When objects were passed to automate with a URL it instantiated the base_class model which ignored subclasses and methods exposed through subclassed service models. This meant that subclass methods were not available to automate scripts. Bugs in method overriding and association while loading the correct subclass when instantiating a service model were fixed and subclass methods are now available to automate scripts.

BZ#1002671

The previous versions of CloudForms Management Engine did not include support for tenant users and projects other then the admin account and its projects from Red Hat OpenStack. This issue was fixed by adding the ability to import tenant information from openstack and expose that information when provisioning a new VM.

> The CFME administrator now needs to map the imported tenants to CFME users. The CFME appliance in turn uses a single OpenStack admin user to access resources on OpenStack on behalf of its users.

BZ#1132708

> In the older version of Cloud Forms Management Engine, a fatal error was encountered when attempting to edit ISO image meta data in the ISO datastore for PXE controllers. This was fixed by adding in missing route information for editing ISO image metadata. ISO image metadata can now be edited as expected.

BZ#1131330

> In Service, when creating a catalog item, or in Cloud > Instances > Provision Instances, clicking on the Properties page, threw an error: "undefined method '[]' for nil:NilClass [miq_request/prov_field_changed]"
>
> Code has been fixed and there is no error reported. The issue is now resolved.

BZ#1102388

> In the older version of Cloud Forms Management Engine, the drift analysis page for virtual machines did not display any data. This was due to an issue with the filters used with the data visualization tool. The bug was fixed by correctly specifying the filters for the data visualization tool. The drift analysis page now displays the expected data for the selected virtual machine.

BZ#1007050

> In the older version of Cloud Forms Management Engine, there were formatting errors when displaying check boxes in the accordions under the Infrastructure main menu. Multiple check boxes were shown on some lines, while no descriptive text accompanied other checkboxes. This was fixed by correcting the formatting information for these controls. The check boxes are now displayed correctly in the new version of Cloud Forms Management Engine.

BZ#1072082

> Adding a nil virtual column to a report resulted in failure to run the report. This was fixed by adding a test case for a nil virtual column, and reports containing a nil virtual column can now be run successfully.

BZ#1009347

> In the older version of Cloud Forms Management Engine, a policy
> with the event "Host Added to Cluster" associated with a RHEV
> cluster did not trigger when a new host was added to the cluster.
> This was because there were no recognized RHEV events that could
> trigger this policy event. This was fixed by moving the
> host/cluster evm alert logic to the host, so that the event was
> triggered when the ems_cluster_id field changed on a host. The
> "Host Added to Cluster" policy now works as expected.

BZ#1054382

> An error in the miq_widget code caused dashboard widgets not to
> update for users who were members of multiple LDAP groups. The
> widget code has been fixed, and widget content now updates
> correctly when multi-group users log in or switch their group
> contexts.

BZ#1052924

> Clicking the update button in the CFME appliance successfully
> registered and subscribed to the Satellite 5 server but failed to
> update due to yum not importing RPM GPG keys automatically from
> within the worker context. The keys are now imported prior to
> running the yum command, and the update succeeds.

BZ#1073689

> The CloudInit customization template had an incorrect filename
> which resulted in the error when querying for the list of
> customization templates. Trying to query available customization
> templates from an automate script method while provisioning a
> cloud image resulted in an 'uninitialized constant' error. This
> fix was implemented by correcting the filename of CloudInit
> customization template service model. The automate script is now
> able to query for customized templates correctly.

BZ#1052069

> Group filters were not taking effect on group dashboards, allowing
> users to see information that should not be visible to the group.
> userids were not being passed in the rbac.search method call when
> widgets were being rendered for groups. This fix allows userids to
> always pass to the widget regardless of group or user.

BZ#1068705

> The correct workflow subclass was not loaded when provisioning a
> virtual machine from ISO images using automate, causing eligible
> customization templates to be unavailable. The provisioning
> workflow has been updated to accept object or ids for templates.

Additionally, the provisioning workflow was also changed to load the subclassed workflow instance based on the source template type. All eligible customization templates are now visible when provisioning an instance.

BZ#1122712

In the previous version of CloudForms Management Engine, attempting to clone a template resulted in the error "Migrate doesn't apply to templates". This was due to the wrong method being used for cloning the template. This bug was fixed by adding a new method to enable cloning of templates. Cloning templates now works as expected.

BZ#1016273

In the older version of Cloud Forms Management Engine, adding a dynamic drop down list without an entry point field in a new Automate dialog resulted in an undefined method error. This was fixed by requiring the entry point field for the dynamic drop down list, and displaying a flash message if the entry point field was not provided. The Automate dialog can now be created correctly.

BZ#1050211

The older version of Cloud Forms Management Engine shipped with platform updates disabled, requiring users to update packages manually on the command line. Platform updates were disabled on all appliances, as updates to postgres and other database packages could cause the CFME application services to be interrupted, requiring planned downtime. The new version of Cloud Forms Management Engine allows system updates on non database appliances, thus reducing the requirement to manually update these systems. Cloud Forms Management Engine appliances running a database are still required to be updated manually.

BZ#1018214

Setting valid Remote Login credentials for an ESX host then attempting to validate the credentials in the Default Credentials section caused a "No credentials defined" error. The only way to add credentials for an ESX host was to use the default credentials of root, which required ssh login as root to be setup on ESX. This presents security risks. A clean up of auth_cache and related callbacks in the authentication mixin fixes the issue and users are now able to save login information.

BZ#1102822

In Cloud > Reports > Dashboard Widgets > Charts, clicking on "Guest OS Information" and "Generate Widget content now". Content generation fails with an error status.

Fixed to change chart type from pie 3D to pie for predefined reports. "Guest OS Information" widget content can now be successfully generated.

BZ#1135497

In the older version of Cloud Forms Management Engine, deleting the selected tab while customizing an Automate service dialog resulted in an undefined method error. This was fixed by correctly defining the class for the affected object. The Automate service dialog can now be customized correctly.

BZ#1091962

Certain browsers limit the size of the cookie field in the HTTP header. This used to lead to bad requests after navigating through a large number of pages, as the Cookie field of the HTTP header used to get filled up with cookies storing state information on the tree branches navigated to earlier. This was fixed by limiting the maximum size of cookies, so that cookies do not grow larger then the maximum size expected by browsers.

BZ#1019634

In the older version of Cloud Forms Management Engine, a policy defined for "VM Memory was increased" did not get triggered when the memory for a virtual machine that the policy was associated with was increased. This was due to an incorrect comparison order of the prior and current memory configuration. This was fixed by correcting the comparison order in the method that handled hardware reconfiguration. As a result of this, policies defined for "VM Memory was increased" are now triggered correctly.

BZ#976426

In the older versions of Cloud Forms Management Engine, the weekly top memory consumers report did not report any data if the user running the report did not have a time profile in their environment with a timezone that was set to âRoll Up Daily Performanceâ. This bug was fixed by removing the time zone requirement from all out of the box reports. The weekly top memory consumers report now works as expected.

BZ#1020985

In the older version of Cloud Forms Management Engine, selecting a provider from the providers list view using its quad icon resulted in the error "Page doesn't exist". This was due to an incorrect hyperlink being generated for the quad icon. This bug was fixed by correcting the code to generate the correct hyperlink for the quad icon. Selecting a provider using the quad icon now works as expected.

BZ#1071360

> For users who were member of multiple LDAP groups, dashboard
> widget 'Guest OS Information' regeneration failed with an Error
> status. Also, "Virtual Infrastructure Platforms" and "Vendor and
> Guest OS Chart" were stuck at "Running" status with an error
> message on web UI, "Widget Generation for 5 of 2 groups Complete".
>
> The Widget.get_group method has been updated to work with both
> group ID and description, and time out of active and creating
> miq_tasks when queuing the widget generation have been fixed.
> Dashboard widgets can now be successfully (re)generated for multi-
> group users.

BZ#1090028

> A regression error caused the configuration button for PXE images
> to disappear. The code has been fixed and the missing PXE image
> product features have been added. The configuration button is now
> present.

BZ#1075251

> There was a bug in matching the user's 'subscription types'
> attribute value to the preset values, resulting in an undefined
> method error when trying to register through the GUI on the Red
> Hat Updates tab. When editing user registration on the Red Hat
> Updates tab, the user is presented with an 'undefined method '+'
> for nil:NilClass' error. The user was not able to complete
> registration. The fix was implemented by changing symbol matching
> to strings matching against the SUBSCRIPTION_TYPES constant
> value. The user is now able to complete registration successfully.

BZ#1045215

> Attempting to run the $evm.root['service'].inspect_all command
> caused an undefined method 'service_type' error, and the field
> service_type data failed to return. The service_type method and
> related code have been moved to the service_template model, and
> the command returns the expected data.

BZ#965889

> The default log depot for Cloud Forms Management Engine has been
> moved from customer.manageiq.com to dropbox.redhat.com/incoming
> to allow Red Hat support associates access to logs uploaded by the
> appliance.

BZ#1077355

> Starting a console session using the VMRC 5.1 plugin console
> access only worked with a Firefox 27 browser, but failed on
> Internet Explorer 10, 11, and Chrome 19 with an error message.

> Error message: Remote Console plugin is not properly installed
>
> VMRC plugin version 5.1 was enabled in Internet Explorer and Chrome and a console session now starts correctly.

BZ#965881

> A code refactor caused HyperV inventory collection to fail. The code changes have been reverted and collection now works correctly.

BZ#1141975

> Previously, switching a summary screen from textual to graphical mode did not work because the URL parameters were not sufficiently updating. Now, the update_url_parms method has been updated to handle parsing of multiple URL parameters and switching to graphical mode works as expected.

BZ#1087921

> In order to enable customers to read storage reports more easily, a new feature has been implemented for snapshot size to be available as Suffixed Bytes (B, KB, MB, GB) like other disk-related columns are (for example, total provisioned space and disk capacity), instead of just a number.
>
> The format of the columns Snapshot Oldest Total Size and Snapshot Newest Total Size is now changed from Number (1,234) to Suffixed Bytes (B, KB, MB, GB). Thereby, the storage report is now easier to read in Suffixed Bytes format.

BZ#1114756

> In the older version of Cloud Forms Management Engine, the administrator was not able to save a script as a component of a new customization template under the PXE option of the Infrastructure main menu. This was fixed by adding a missing variable in the customization template code. The customization template script can now be saved as expected.

BZ#1087637

> The error is caused due to Automate generating incorrect XML. The CPU definition contained the unrecognised elements 'sockets'and 'cores' which are attributes of the topology element. Hence, after upgrading RHEVm from 3.3 to 3.4, the user cannot provision new VMs from CloudForms Management Engine. The RHEVm log contains the error 'unexpected element (uri:"", local:"sockets")'.
> A number of fixes were incorporated to ensure that the CPU definition is generated correctly.
> The user is now able to provision new VMs from CFME.

BZ#1044740

A new version of Prince, used to generate CSS styled PDF reports, was implemented in the CFME Appliance. The updated version could not find the path to the CSS file required to format generate the PDF documents correctly, resulting in simple tables of black text with blue page headers rather than matching the style of HTML reports. The fix sets relative paths, so the CSS file can be found by Price and PDFs are generated correctly.

BZ#1025567

In the beta release of Cloud Forms Management Engine 5.3, when ordering a service that presented a dialog to the user, the Submit and Cancel buttons were not shown, only the paging controls were shown. This bug was fixed by ensuring that the submit and cancel buttons were displayed as required, allowing users to order services as expected.

BZ#1077793

Connection issues between the CFME appliance and vCenter hosts caused closed connections to remain idle instead of terminating. This has been fixed and sessions now close correctly.

BZ#1087476

In the beta version of CloudForms Management Engine 5.3, if an infrastructure provider was removed, then added again, the relationships between the provider and its clusters and hosts were not refreshed. This was because, the old provider information was not deleted from host records when the provider was deleted. When the same infrastructure provider was added back and a refresh was initiated, the hosts could not resolve provider information and got an object not found error. This bug was fixed by nullifying the provider information on hosts when deleting the provider. Now, when the provider is added back, the hosts look up provider information as expected.

BZ#1026415

After taking a snapshot of a virtual machine with the memory snapshot option enabled, the virtual machine shuts down when the snapshot is reverted to. The code has been updated to include the memory parameter when taking a snapshot. The virtual machine will now be in the state it was when the snapshot was taken.

BZ#1077859

When a user received the below links (vm_or_template, miq_request) via email they could no longer browse to a service / request page without having to manually navigate to the request queue and clicking on their request.
Logging into the CFME as an Admin and accessing the following URLs links resulted in a blank page:
https://10.3.76.102/vm_or_template/show/619000000000068 and/or

```
https://10.3.76.102/miq_request/show/619000000000079

White listing of entry points was implemented to the web UI which
has fixed the issue. Upon clicking a service/request URL via
email, user now gets to the desired correct page.
```

BZ#1079459

```
Sorting a search result list of virtual machines by Provider was
raising an unexpected error. The ambiguous 'type' PGError issue
that was encountered when sorting by Provider has been fixed, and
the search result list can now be sorted by Provider.
```

BZ#1059272

```
After logging in to the CFME and adding an infrastructure
provider, in Infrastructure > Virtual Machines, clicking on a sort
order such as sort on Hosts, Providers or Datastore columns in
"VMs and Templates" accordion
resulted in a database error. This was because the SQL being used
had an error for certain queries.

The code has been fixed and there is no error reported when using
the above sorts.
```

BZ#1069026

```
CloudForms Management Engine failed to pull network information
from OpenStack instances with multiple network interfaces. This
caused network information to not appear through automate
methods. This fix modifies the provisioning code for OpenStack
instances to allow for an array of network interfaces. Red Hat
CloudForms now pulls network information for OpenStack instances
with multiple interfaces.
```

BZ#1039971

```
Editing certain expressions from the Control Explorer caused the
following error: "undefined method 'index' for nil:NilClass
[miq_policy/exp_changed]". This was due to certain keys remaining
after discarding parts of the expression. This fix deletes the
keys properly and fixes the observers for the date fields in the
expression editor view. The expression editor now functions
without error.
```

BZ#1028229

```
Failure to uncompress parameter ids before running find caused an
error when a user clicked on a non-VM file while browsing the
datastore. The .find call has been fixed to uncompress the ids and
non-VM files now work as expected when clicked.
```

BZ#1080231

> User was unable to save "Remote Login" credentials for hypervisors
> with an error displayed on the user interface.
>
> Error: "Default User ID must be entered if a Remote Login or Web
> Services User ID is entered"
>
> With a clean up of auth_cache and related callbacks in
> authentication mixin the issue has been fixed and remote login
> information can now be saved.

BZ#1085104

> The state_machine gem used in the vm_scanning method created a
> database transaction block when processing states as automate was
> coded to not allow methods to run inside of a database
> transaction. This caused an SQL error when trying to execute an
> automation request. Calling asynchronous raise_synthetic_event
> methods for automate tasks from policies has been fixed, which
> circumvents the database transaction block issue.

BZ#1081342

> In the older version of Cloud Forms Management Engine, if the end
> user had Infrastructure access he automatically had PXE
> configuration access. To resolve this, additional role based
> access control was added to allow restricted access to PXE
> configuration. The administrator is now able control a user's
> access to PXE configuration as required.

BZ#1082156

> The Cloud Forms Management Engine environment incorrectly
> calculated the CPU chargeback rate using the number of sockets,
> instead of the number of virtual CPUs. The Cloud Forms Management
> Engine code was changed to calculate the CPU chargeback rate
> using the number of virtual CPUs instead of the number of sockets.
> The Cloud Forms Management Engine environment now calculates the
> CPU chargeback rate for Red Hat Enterprise Virtualization VMs
> correctly.

BZ#1099046

> In the older version of Cloud Forms Management Engine, the
> configuration comparison page for virtual machines did not display
> any data. This was due to an issue with the way filters were
> specified for the data visualization tool. The bug was fixed by
> correctly specifying the filters for the data visualization tool.
> The drift analysis page now displays the comparison data for the
> selected virtual machines.

BZ#1083765

In the beta version of CloudForms Management Engine 5.3, adding
or editing a catalog bundle resulted in an undefined method error
in the catalog controller code. This bug was fixed by correcting
the error in the catalog controller code. The user is now able to
add or edit a catalog bundle as expected.

BZ#1030209

Provisioning OpenStack instances with multiple tenant networks
available resulted in an error: "Multiple possible networks found,
use a Network ID to be more specific." This fix adds a dialog to
select the tenant network when multiple tenant networks are
available. The user now selects the tenant network for their
OpenStack instances.

BZ#1083764

In a previous version of CloudForms Management Engine, the link to
the service summary screen for services listed under Service -> My
Service were broken. This resulted in an undefined local variable
or method error when the user tried to access a service. This
issue was fixed by generating the correct links for the services
list.

BZ#1038653

When CFME is used to request the creation of a virtual machine,
creates the virtual machine instance but throws an error message,
leading users to believe that the virtual machine was not
created. This was caused by the state machine running
post_create_destination twice. The initial one succeeds and the
second one fails because it had already created the virtual
machine. post_install_callback has been changed to only run the
method once. Virtual machines should now be created without any
errors.

BZ#1038399

Administrator role permissions were incorrectly configured,
resulting in the role being unable to access the Cloud ->
Security Groups and Services -> Catalogs Explorer features. The
administrator role has been updated to enable these permissions
and access these features.

BZ#1083622

When switching between groups, instead of the default page
assigned to the user, dashboard defaults even when the user does
not have access rights.

Fixed code to redirect user to a screen that they have access to
when user switches between groups. Moved code that sets start page

url into its own common method so it can be used when switching between groups and when user first logs in. Also, added spec test for "start_url_for_user" method to ensure it returns correct url when switching between user's group which has fixed the issue.

BZ#1083062

In the older version of Cloud Forms Management Engine, adding, deleting or renaming a system image type from the PXE menu did not refresh the customization tree in the left pane. This issue was fixed by enforcing an update of the customization template tree when adding, deleting or renaming a system image type. Users now see an updated customization template tree after making a system image type change.

BZ#1083465

In the beta release of Cloud Forms Management Engine 5.3, sub module icons displayed in the left pane next to sub module names were out of scale, making the list of sub modules harder to browse. This was fixed by pre-compiling the icons during the build phase, making it easy to browse the list of sub modules.

BZ#1068804

Changes in the Red Hat Enterprise Virtualization 3.3 API allowed for deployment of multiple payloads in one API call. However, CloudForms Management Engine could not save payloads to virtual machines because the code focused on a single payload per call (3.2 and below). This fix adds an exception for Red Hat Enterprise Virtualization 3.3 that accommodates the API changes. CloudForms Management Engine now correctly interfaces with the Red Hat Enterprise Virtualization 3.3 API payload functions.

BZ#1035028

Users with limited permissions received a blank page when attempting to view items in the Virtual Machines sub-tab under the Infrastructure tab. The feature check for the Virtual Machines sub-tab has been updated to enable users with limited access to view permitted features.

BZ#1035197

If a user was in a time zone for which roll up information was not available, running utilization summary or performance reports gave an unexpected error with the explanation: missing attribute: timestamp. This caused utilization summaries and performance reports to stop working for the user. The issues with the time profiles pull down were fixed by changing the default time profile UTC and made read only. The utilization summaries and performance reports now work correctly.

BZ#1083397

In the older version of Cloud Forms Management Engine, adding or editing a service catalog resulted in an undefined method error. This was due to a coding error resulting from a change in the library handling dynamic trees. This bug was fixed by correcting the coding errors, allowing users to add or edit a service catalog as expected.

BZ#1035402

In Automate -> Customization, editing a dynamic dialog without entering values in certain fields, and then attempting to Save it threw an error: undefined method âsplitâ for nil:NilClass [miq_ae_customization/dialog_edit].
Fixed code to provide an appropriate error message: "Entry Point must be given for field nameâ

BZ#1104895

In the older version of Cloud Forms Management Engine, executing a new button on an existing service to run a method resulted in a fatal error: No route matches. This was because a route to dynamically refresh the service controller was missing. This issue was fixed by adding in this missing route. Executing a new button on an existing service now works as expected.

BZ#1036469

In the previous version of CloudForms Management Engine, when editing a virtual machine template, moving a virtual machine from the list of available virtual machines to the left or right could result in the fatal error, comparison of Array with Array failed. This bug was fixed by verifying that the hash of choices chosen to verify the chosen choice existed prior to processing the lists on either side. Virtual machine templates can now be edited without any errors.

BZ#1126071

In the previous version of CloudForms Management Engine, the smart proxy executable was not uploaded to the appliance during start-up. This was due to the presence of a newline at the end of the VERSION file. The newline caused the comparison of the rpm version with the version provided by the smart proxy executable to fail, resulting in the failed upload. This bug was fixed by adding code to strip off any leading or trailing white space from the VERSION file. The smart proxy executable is now available in the appliance as expected.

BZ#1047348

Added 'IP Address' column to VM views so users can see a VM's IP address when logging in with a user_self_service role.

BZ#1083198

A missing uniqueness check enabled multiple system image types to be saved with identical names. The pxe_image_type method has been updated to validate uniqueness and display a flash message when the test fails. Attempting to use an existing name now fails with a duplicate name error.

BZ#1083149

An incorrect method call meant that after adding or removing policy profiles on the virtual machine policy simulation screen, the vertical scrollbar disappeared from the VM explorer. The page.replace call has been replaced with page.replace_html, and the scrollbar now appears correctly.

BZ#1033619

In the previous version of CloudForms Management Engine, on the host information page, the install_failed state did not have an icon. This bug was fixed by adding the missing âInstall Failedâ icon. The host information field now shows the correct icon when installation fails for a host.

BZ#1083693

Missing tag removal capabilities meant that tags could not be removed from VMDB objects in automate. This ability has been added and tags can now be unassigned in automate.

BZ#1083761

In the previous version of CloudForms Management Engine, when adding a custom button group the group button name text field did not get focus until clicked. This was due to a conflict in the Java script code. This was fixed by moving the Javascript code to another DHTML tag. The group button name text field now gets focus on page load as expected.

BZ#1082569

The correct search options were not passed to the query when reloading a VM filter with user input, causing an error. The filter dialog was changed to show a quick search pop up box when the Reload button is pressed to prompt for the user's input. The custom VM filter can now be reloaded successfully.

BZ#1084214

In the beta version of CloudForms Management Engine 5.3, the login page did not check for a custom login logo correctly. This resulted in the login logo not being displayed on the login page. This bug was fixed by correcting the login logo check. The login

logo is now displayed on the login page as expected.

BZ#1084634

In the beta version of CloudForms Management Engine 5.3, running a web based VMRC session for a virtual machine that had a tag assigned resulted in an undefined local variable or method fatal error. This bug was fixed by re-basing the CloufForms Management Engine code base to the latest upstream version.

BZ#1028618

In the beta version of CloudForms Management Engine 5.3, when the mouse pointer was hovered over the accordions in the explorer views, it did not change to a hand pointer, it stayed as a normal pointer image. This issue was fixed by adding CSS styling to add hand pointer. Now when the mouse is hovered over the accordions, it changes to a hand pointer.

BZ#1027396

Registration with Red Hat Network (RHN) Satellite failed. 90 seconds after clicking Register, an error appeared in the evm.log and the server was not registered with RHN. Calls to Rhn#register now correctly use the server certificate, and the server successfully registers and subscribes to RHN.

BZ#1026975

In the beta version of CloudForms Management Engine 5.3, the Report Menu Editor failed and resulted in a blank area when moving selected reports up/down. Additionally, pressing move up/down buttons with an available report selected resulted in an undefined local variable or method error. These issues were introduced during refactoring of code to use presenter class. This issue is fixed in the current version of CFME. No error is displayed when moving selected reports up/down or pressing move up/down buttons with an available report.

BZ#1086275

In the beta version of CloudForms Management Engine 5.3, the background image was not scaled correctly and did not occupy the entire window in Internet Explorer 8. This was because the correct image path was not provided. This bug was fixed by providing the correct path for the background image. The background image is now rendered correctly in Internet Explorer 8.

BZ#1078523

> When logging into the CFME appliance, dashboard widgets were
> unable to display data due to failure to check the current region
> for a user.
> Code update enabled search on the user in the current region, and
> widgets now display data correctly and the issue is fixed.

BZ#1078496

> After creating a control policy, invoking an action based on an
> event for the assigned policy, then navigating back to Control,
> Explorer displays a blank screen, and the user cannot navigate to
> Control, Explorer after policy enforcement. Fixed the
> folder_get_info method to not call policy_get_all when selected
> node in policy tree is a policy or an event, as there was no need
> to get/display list of policies on those nodes. Calling the
> policy_get_all method was setting a @edit in the get_view method
> which was preventing views to be drawn correctly when returning
> back to explorer. The policy_get_all method only needs to be
> called when VM XX Policies or Host XX policies nodes are selected
> in the tree, to display list of policies. This has fixed the issue
> and user is now able to navigate to Control, Explorer after
> policy enforcement.

BZ#1118726

> Logged in as a new user with assigned support role, in Cloud
> Intelligence > Reports, selecting a report from All Reports, and
> attempting to add a new schedule for the user with support role
> results in an error: The user is not authorized for this task or
> item. [report/x_button]
> Added schedule view feature so that users can see schedules
> accordion even when they are not allowed to modify scheduled
> records. This has now fixed the issue.

BZ#1087520

> In the previous version of CloudForms Management Engine,
> attempting to add a new name space under Automate -> Explorer in
> Internet Explorer 8 resulted in a blank page. This bug was fixed
> by re-basing to a new upstream version of CloudForms Management
> Engine. Adding a new name space using Internet Explorer 8 now
> works as expected.

BZ#1044175

> Need persistent workspace i.e allowing a variable on the root hash
> ($evm.root['ae_workspace'] to enable storing data when dealing
> with ae_retry in automate.
>
> Code updated to persist automate state data between retries.
> During the execution of an automate method the following three
> methods can be called to set/get/check for existence of state
> data.

```
$evm.set_state_var
$evm.get_state_var
$evm.state_var_exist?

The name in all three functions above can be a string or a
symbol. If the name is missing nil is returned.
```

BZ#1024988

White space around new user names allowed user names to be added
multiple times. A code fix has been applied that strips white
space from around user names and email addresses.

BZ#1024059

In the previous version of CloudForms Management Engine, even
though the initial Configuration / Tasks screen had second level
navigation, they did not appear when switching between tabs on
Tasks screen.
This issue was fixed by fixing the view code that sets second
level active/inactive tabs.
This issue is fixed in the current version of CFME to show second
level navigation when switching between tabs.

BZ#1023540

In the previous version of CloudForms Management Engine, the
console access button for virtual machines hosted on a VMWare
provider was unavailable in MacOS X browsers. This was confusing
for Macintosh users, as they expected console functionality to be
available. This issue was resolved by displaying a disabled
console button, with an informative message when the mouse pointer
hovered over the button.

BZ#1087930

Incorrect values were passed to the methods that created the
combo boxes in the schema editor screen. Deleting a class field in
the schema editor resulted in an undefined method error. The code
was fixed to pass correct values to the combo box methods and
deleting a class field works now correctly.

BZ#1023226

In the previous version of CloudForms Management Engine user
interface, incorrect flash message is displayed after successfully
setting ownership of RHOS instances. This issue was fixed when
code change was applied to properly parse object type name and
pluralize it. In the current version of CFME, correct message is
displyed.

BZ#1023220

> In Infrastructure > Providers > Select a Provider; under
> 'Relationships' accordion, clicking on Virtual Machines and
> selecting multiple VMs for which ownership needs to be set and
> setting ownership Configuration > Set Ownership, redirected to
> 'VMs and Instances' page after ownership of VMs is successfully
> set, instead of 'All VMs' page of the corresponding provider or
> host.
>
> Fixed navigation code in Set Ownership page to go back to All VMs
> page, and not to VMs and Instances page. This has now resolved the
> issue.

BZ#1023177

> In the previous version of CloudForms Management Engine user
> interface, there used to be a timeline button for Amazon provider
> and instances. Amazon does not provide the feature for which
> timelines are used. Hence, the Timeline option button was removed
> from Amazon providers. The current version of CFME does not have a
> Timeline option under Amazon Provider.

BZ#1045325

> Performing an analyze check compliance policy on a host linked
> from another Red Hat CloudForms entities (e.g. Providers) caused
> the following error: "undefined method 'sub_table' for
> nil:NilClass". This fix adds "Analyze then Check Compliance"
> button support when navigating to the list of hosts from another
> Red Hat CloudForms entity. No error display and the "Analyze then
> Check Compliance" launches successfully.

BZ#1037835

> A problem parsing hash keys caused an undefined method error when
> attempting to run a planning task with manual data. Hash keys are
> now read correctly, and planning tasks can be run using manual
> data.

BZ#1047976

> Navigating second and third level elements in the Control
> Explorer policy trees leaves the right cell header text
> unchanged. This fix assigns the correct value to the right cell
> header, which now changes according to the element selected.

BZ#1048390

> When attempting to view a comparison of the Parent Host and the
> Red Hat CloudForms virtual machine under Configure > Diagnostics
> > Utilization Tab, an undefined method error resulted. The user
> interface would attempt to display a chart based on the internal

representation of the vmrecord which was not consistent with the
internal index used by the web interface. To fix this, the charts
are now based off of the MiqServer server records. The utilization
graphs should now display.

BZ#1076717

The ServiceTemplate service model class was missing associations
for service_templates, services and service_resources. The
required associations in the ServiceTemplate service model have
been updated and are now available in automate.

BZ#1142281

Previously, users could not switch between Grid-Tile-List views in
Tenant Instance screens because the buttons were missing from
those sub-lists. These buttons have since been added so that users
can switch between views.

BZ#1076609

When you create a state machine, edit the schema and add a new
field, the default value gets populated in the newly created
field from the previous field. Plus, the data type also gets
populated in the newly created field from the previous field. The
code was updated to reset the new_field hash after the accept
button is pressed on the schema edit screen. When new AE Fields
are added values no longer get copied over from the previous
field. Also, the substitute checkbox now has an initial value and
the data type of second field is now a password data type.

BZ#1022202

In the previous version of CloudForms Management Engine, PDF
downloads did not work from the cloud provider textual summary
screen. This bug was introduced when cloud providers were broken
out of the infrastructure providers. This bug was fixed by adding
the relevant options to the cloud provider summary screen. PDF
downloads from the cloud provider summary screen now work as
expected.

BZ#1090901

In the beta version of CloudForms Management Engine 5.3, if the
last role or group authorizing a user's access to the Red Hat
CloudForms appliance was deleted, the login screen hung
indefinitely and an undefined method error was logged in the
production log. This bug was fixed by changing the login screen
to show a message that the user's role or group may have been
deleted from database. The login screen no longer hangs
indefinitely when the user's role or group has been deleted.

BZ#1017917

In the previous version of CloudForms Management Engine, editing a service request incorrectly brought up the virtual machine reconfigure dialog resulting in an unrelated error message referring to memory. This was an error in the work flow as service requests may not be edited. This was fixed by hiding the edit button for all service template provisioning requests. Service requests can not be edited in the current version of CloudForms Management Engine.

BZ#1075150

Cloud archived instances were showing up where they shouldnât. Cloud archived instances showed up under its cloud provider instance tree, cloud instances archived tree, as well as infrastructure archived tree.
The code has been fixed to load Infra only VMs and Templates in tree and list view - Changed code to pass in where_clause when building a list views for Archived/Orphaned nodes in VMs and Templates accordion. Also, changed x_get_tree_custom_kids method to get records using VmInfra and TemplateInfra db instead of VmOrTemplate to get Infra only nodes for the VMs and Templates tree Archived/Orphaned nodes. These changes have now resolved the issue.

BZ#1146613

The beta version of CloudForms Management Engine 5.3 had a logical error in the user interface for creating a custom button. After editing the custom button, the Save button would not be enabled unless the user clicked somewhere else. This was because the custom button were missing the Intervals parameter. This bug was fixed by updating the custom button user interface to provide the Intervals parameter for custom buttons. The Save button is now enabled correctly for the custom button interface.

BZ#1074495

Attempting to configure RHEL OSP 4.0 AMQP in Red Hat CloudForms caused an SASL error:
> Internal-error: Sasl error: SASL (-4) no mechanism available: No worthy mechs found (qpid/SaslFactory.cpp:280)
This patch changes the default connection mechanism to AMQP to enforce SSL, which enables CFME to collect events from OpenStack where the AMQP service is listening for SSL connections. The fix changes the default AMQP port to 5671, and users must populate the /etc/qpid/certs directory. To use non-SSL for AMQP, set the port to 5672.

BZ#1011263

In Automate > Customization > Button, creating a button group and adding button with a hover text, and then adding another button with the same hover text threw a validation error: âError during

'add': Description has already been taken".
Description attribute has been added to locales/en.yml, and
changed method to full_message, when calling add_flash. So, the
description has now been replaced with button hover text, that is
displayed in flash message. These changes have fixed the issue.

BZ#1011262

The text cursor is set to button name, but upon starting to type
in text, the UI refreshed and the user had to click on the text
box again to enter the name. Although it seemed that the button
text had focus, it did not have focus and clicking the button had
a conflict with the Button Image drop down (which uses the
DHTMLXcombo control).
Code has been updated and the focus on button text now works as
expected.

BZ#1053754

When a third level folder was selected on the Policy tree and the
tree nodes were expanded to the fourth level, the cell header on
the right panel assigned the label of "Host Control Node"
erroneously to a VM-controlled Node. This was fixed in the
current version of cfme. The right panel cell header now
correctly displays the right label.

BZ#1011158

The Approve button appeared for previously denied requests,
however approving denied requests resulted in an error. This fix
removes the Approve button for denied requests. Users can no
longer attempt to approve a denied request.

BZ#1073673

When creating a CloudInit customization template the UI still
reported that it was a type of Sysprep although it was created as
a CloudInit type.

Code was updated and the customization template type will now be
displayed based on the @ct.type which has fixed the issue.

BZ#1007581

In a previous version of CloudForms Management Engine, switching
the user's group context in Firefox browser failed due to a
javascript error. This issue was fixed by modifying the on-click
event handler for the group context switcher pull-down. Firefox
users are now able to change their group context as expected.

BZ#1002307

In a previous verison of CFME, in the Add a new dialog window, under Automate -> Customization, when a user tried to provide a label and click submit, he got an error message: Dialog label required. This issue was fixed with a change in the code.

BZ#1001285

The previous version of CloudForms Management Engine had an option to automatically choose the host and storage for provisioning a virtual machine. The automatic provisioning of virtual machines could fail with an error stating that a suitable host was not found, if no hosts with the provisioning scope tag were present in the selected provider. This issue was fixed by a change in the default automatic host selection logic which did not rely on tagging. Automatic provisioning of virtual machines now works as expected.

BZ#997201

UI labels, such as From Automate, Customization, click the Service Dialogs Accordion, did not have consistent capitalization.

The yml file containing Dialogs action texts was modified: Refactored dialog_center_tb.yml to use .titleize; replaced .capitalize with .titleize for display of deleted object names.

BZ#996787

In the previous version of CloudForms Management Engine, it was possible to create a duplicate automate custom service dialog. This was because there was no validation in place to enforce unique dialog names. This was fixed by adding dialog label validation to enforce uniqueness. It is no longer possible to create duplicate automate custom service dialogs.

BZ#995147

In the Automate -> Simulation tab, requested output is available in a tree view, XML view and object. The XML view output can be long and usually takes more than the standard length of the screen page to display completely. However there was no vertical scroll bar to view the entire output.

Code was updated to fix the scrolling issue and the complete output can now be viewed.

BZ#991595

In Services > Catalogs, creating a new catalog item and selecting "Generic", the âBasic Infoâ tab appeared to have been cut at the end lacking the rounded finish. After selecting the "Display in Catalog" check box, the page refreshed after a while, and the

> "Details" tab appeared alongside the âBasic Infoâ tab.
>
> New tab design has been implemented which has now fixed the issue.

BZ#1095651

> In the beta version of CloudForms Management Engine 5.3, deleting
> the last custom report from list of reports under the Intelligence
> main menu item resulted in an undefined method error. The report,
> however was deleted. This error was a result of the reports tree
> view not handling the case where custom reports were not present.
> This bug was fixed by removing redundant code and adding a check
> for the case where no custom reports were present in the reports
> list. Deletion of custom reports now works as expected.

BZ#986934

> Previously in the CloudForms Management Engine user interface
> under Control tab -> Explorer -> Alerts accordion, there were
> some configurable alerts which sent emails from the Red Hat
> CloudForms administrator to a Manage IQ email address. This email
> address has now been disabled.
> This issue was fixed by disabling the default recipient id of
> alert@manageiq.com. The administrator is now required to
> configure the alerts email recipient id for alerts to work
> correctly.

BZ#985543

> In Infrastructure > virtual machines, selecting a VM for
> reconfiguration and setting memory with default value as an
> integer in its option displays an error message -"Memory must be
> an integer", although the default value of memory is an integer.
> This was due to memory value getting set as a string when user
> entered value in the form and transaction got sent up.
>
> Changed reconfigure_build_screen method to set default memory/CPU
> value to nil/1 when multiple VMs are being reconfigured and they
> have different memory/CPU values. Also updated logic to not allow
> reconfiguring of VMs if the memory/CPU values are same as original
> values. And, verified that the correct default values are being
> set by set_memory_cpu method. This has changed the way
> reconfigure sets default memory settings and this has fixed the
> issue and there is now a proper validation for the field: "Change
> Memory Value to submit reconfigure request".

BZ#983744

> In the previous version of CloudForms Management Engine, in the
> Services -> Requests view, the requesters pull-down list did not
> show the current user, but instead displayed a user whose requests
> the current user did not have permissions to view. This issue has
> been fixed in the current version. Requester pull down now
> displays the correct user.

BZ#1072089

> When attempting to use the Integration / VimApi /
> VMware_HotAdd_Disk method to add a disk to a VM in VMware, a ruby
> error was generated and disk wasnât being added.
>
> The MiqVimVm#addDisk method was using the public accessor
> dsName2mo() when creating the ConfigSpec used to add a disk to the
> VM; causing the returned object to be wrapped in a MiqDrbReturn
> object. This caused the MiqDrbReturn object to be passed back to
> the client, since only top-level return objects should be wrapped
> in MiqDrbReturn. The client would then pass this unexpected
> object to the VMware VIM API, causing the failure.
>
> Using the internal accessor dsName2mo_local() when acquiring sub-
> objects of the ConfigSpec, since this method does not wrap its
> returned value in a MiqDrbReturn object was the solution.
>
> Also, fixed VMware service model methods for set_memory and
> add_disk; both method names were incorrectly set to an existing
> method name in a previous refactoring. This has fixed the issue
> and disk is now being added to a VM in Vmware without any error.

BZ#983735

> In Services->Requests, dropdown did not display the correct user
> i.e. the current logged in user. The different user being
> displayed was due to the dropdown being in essence hard-coded to
> display one request type, and that user was the only user with a
> request of that type.
>
> Passing in an array of the current request types instead of the
> hard coded value has resolved the issue and the dropdown now
> displays the correct logged in user.

BZ#1130666

> This update fixes an issue where the retirement date for a service
> is able to be set in the past. This meant that a service could be
> retired showing a date in the past and it should not be able to
> be set to any date before the current date. The
> dhtmlXCalendarObject is now initialized in a way that it will not
> render allow past days to be selected. This means that the
> retirement date for a service can no longer be set to a date
> before the current date.

BZ#1062347

> When attempting to connect to an external database, the password
> provided was being overwritten with the default DB password in
> config/database.yml after joining the region. This prevented the
> appliance from running since it could not connect to the DB.
>
> Added fix_auth tool to upgrade user to a new encryption key which
> has fixed the issue.

BZ#1071970

> When cloning a VM using automate, if there were any
> prov.set_network_adapter options found in the automation model,
> all NICs from the original template were removed in the
> destination VM and NICs were created according to what was
> specified in automate. A number of changes were made to ensure
> that the NICs from the Cloud Forms Management Engine dialogs exist
> with additional NICs from automate. NICs specified in the original
> template VM are now available in the clone, in addition to the
> NICs specified in automate.

BZ#1062391

> In the previous version of CloudForms Management Engine, when
> only the custom logo image was selected, both the custom logo and
> custom login panel images were displayed. When only the custom
> login panel logo was selected, neither image was displayed. This
> was because the code that checked for the custom logo and custom
> login panel logo flags was flawed. The custom logo / login panel
> logo flag code was corrected to check for the appropriate flags.
> The custom logo and custom login panel logos are now displayed as
> per the administrator's selection.

BZ#975389

> In the CloudFroms Management Engine user interface, when a user
> clicked on Management System-> Hosts-> VMs for the host
> -> Check the box by the VM to retire -> Lifecycle -> Set
> Retirement Dates, the user was able to select a past date for the
> VM's retirement. Selecting a past date resulted in the VM
> powering off immediately. This issue was fixed by changing the
> date control options to limit what dates can be selected by the
> user.
> Now, the user can only set a future retirement date for a VM.

BZ#1070860

> The user interface did not check for a blank field list when
> switching to the Styling tab. When attempting to create a new
> report, if the user clicked on the Styling tab without selecting
> a field first, the user received the error: undefined method
> 'each_with_index' for nil:NilClass. The method has been updated,
> and the user interface now shows a flash message to force the user
> to select a field before changing to the Styling tab.

BZ#1069680

> An error with port scanning logic caused VMware ESX host
> provisioning to fail. CloudForms Management Engine required
> availability of all defined ports instead of just one. This fix
> corrects the logic. CloudForms Management Engine's port scanner
> now only requires detection of a single port for ESX hosts.

BZ#1108918

> If provisioning was configured to use a pre-provision dialog, it never progressed to the main provisioning dialog screen. This was due to an incorrect request workflow being followed. Several adjustments in the code were done to accommodate the pre-provisioning dialog prior to the main provisioning dialog in the request workflow. The pre-provisioning dialog now works as expected.

BZ#962516

> In Services > catalogs > create a catalog item and order, Save button was not functional; It was throwing an error message on the UI that the Save button is not yet implemented.
>
> Code has been updated to remove all buttons except Submit and Cancel. Submit button has been implemented as a Save button function. Added support of default values for TextBox and TextAreaBox in Service Dialogs. These changes have now fixed the issue.

BZ#1065078

> The Service Details page displayed the aggregate VM memory using the wrong factor. For example, instead of 512 megabytes, the page displayed 512 bytes. This fix corrects the factor representation of the memory. The memory now displays as megabytes instead of bytes.

BZ#945417

> In VM Explorer, LifeCycle > Clone selected item, and Publish selected item - These are hidden when you go to a summary screen for a RHEVM VM and should also be hidden on the VM Explorer screen. However, clicking on them gave an error on the UI: âDialog cannot be found. Name: [miq_provision_redhat_dialogs_clone_to_vm] Type: [MiqProvisionWorkflow] [vm_or_template/x_button]â
>
> Code was updated to remove the Clone and Publish buttons from list view. These buttons are not available in list view in workloads explorer, they are only available on summary screen so they can be turned on/off based upon type of record which has now resolved the issue.

BZ#1066207

> When attempting to delete a Red Hat Enterprise Virtualization VM, Cloud Forms Management Engine would first attempt to stop the already stopped VM. This caused Red Hat Enterprise Virtualization to issue a "409 Resource Conflict" error, and the VM was not

deleted. The cloud Forms Management Engine code was changed to correctly handle HTTP 409 and Resource Conflict errors from Red Hat Enterprise Virtualization. Cloud Forms Management Engine is now able to delete stopped Red Hat Enterprise Virtualization VMs.

BZ#1102397

The compare variable could contain a nil value when the panel_control action was run, which caused an unexpected error while applying drift sections on the VM scan page. This was fixed by setting the correct variable values when the accordions in compare/drift are clicked. The error condition is no longer encountered when selecting the drift accordion.

BZ#1052376

Due to missing entries in the view configuration file, the Flavor and IP Addresses columns were not being displayed when viewing an Availability Zone in the explorer tree. The missing entries have been added to the file, and the Flavor and IP Addresses columns now display correctly.

BZ#967096

If a user used Internet Explorer to access the CloudForms Management Engine user interface, in the PXE-> Customization Template Area, the complete text could not be viewed in the edit boxes. This issue was fixed by editing the code in views to adjust the fomatting and DHTMLX layout for proper scrolling. Internet Explorer users can now view the complete text in the latest version of the CloudForms Management Engine user interface.

BZ#979525

Vdi farm count is visible in wrench icon -> configuration tab -> settings accordion -> click specific_zone; Vdi zone farm count should be hidden behind yaml key.
Fixed code and the Vdi zone farm count is now hidden and the issue is resolved.

BZ#983093

The titles for policy items in the Control Explorer displayed "control" and "compliance" twice. For example, "Adding a new Control Host control Policy" should be "Adding a new Host Control Policy". This fix corrects the wording of the titles, which now display correctly.

BZ#990635

Previously in the CloudForms Management Engine user interface, under VM details -> Monitoring -> Timelines, when a user selected an event group, he could view Virtual Desktop Infrastructure(VDI) activity, which should be hidden.

> This issue was fixed by removing 'VDI Activity' in timeline options from Event Groups drop-down.
> VDI activity is now hidden in timeline options -> event group drop-down.

BZ#990702

> Delete service dialog message shows the description instead of service dialog name. The message displayed after a delete should be consistent with other messages like add, save, cancel, etc and show the name of the dialog deleted. The name used in all of these messages should match with whatâs shown in the tree and the list views.
>
> Code refactored dialogs_spec.rb which has now fixed the issue. The message now shows the name of the dialog deleted.

BZ#990755

> Delete service dialog message showed the description instead of service dialog name. The message displayed after a delete should be consistent with other messages like add, save, cancel, etc and show the name of the dialog deleted. The name used in all of these messages should match with whatâs shown in the tree and the list views.
>
> Code refactored dialogs_spec.rb which has now fixed the issue. The message now shows the name of the dialog deleted.

BZ#991143

> "Check Compliance of Last known Configuration" button was still active even if no compliance policies were assigned to a virtual machine. This fix adds logic to check for compliance policies assigned to a virtual machine. "Check Compliance of Last known Configuration" button is now disabled if a virtual machine has no compliance policies assigned to it.

BZ#1015663

> Queueing a report did not refresh the left menu tree. This fix adds code to refresh the "reports" and "save_reports" menu trees. The menu tree now refreshes to indicate the queued report.

BZ#1018963

> In the previous version of CloudForms Management Engine, the spinner on the login page used to appear centered on the entire page, instead of appearing centered in the login form area. This bug was fixed by moving the spinner view into the login view. The spinner now appears centered in the login form area of the new version of CloudForms Management Engine.

BZ#1091958

In the beta version of CloudForms Management Engine 5.3, any flash messages displayed on a page did not scroll vertically with the page. This bug was fixed by changing the positioning property of all flash messages to be relative. Flash messages now scroll along with the page as expected.

BZ#1023488

Previously, when the user accessed CloudForms Management Engine in Internet Explorer, the font in the navigation bar looked distorted since the font anti-aliasing was broken. This issue was fixed by implementing a new drop-down style secondary navigation.

BZ#1025847

In the previous version of CloudForms Management Engine, when users created a customized template in Infrastructure-> PXE-> customization template and tried to add a new customization template without selecting the "Image type", the message "customization template added" was displayed but the customization template would not be added. This was also observed while copying the customization templates.
This issue was fixed by refactoring code to account for blank/invalid Image Type setting. This issue is fixed in the current version of CFME. Now, if a user tries to add a customization template without selecting an image type, they are prompted to provide a PXE image type.

BZ#1086833

In the previous version of CloudForms Management Engine, the columns on the My Settings -> Default View page did not scale correctly under different screen resolutions. This was due to an incorrectly specified toolbar width in the cascading style sheet template. Removing the toolbar width in the cascading style sheet template resolved this issue. The Default Views setting page now renders correctly at all screen resolutions.

BZ#1026946

In the previous version of CloudForms Management Engine documentation, Integration Services Guide was referred to as Integrate Documentation.
This issue was fixed by fixing the link text for Integration Services Guide in the support view and updating view wording for the Integration Services Guide link.
The current documentation does not have this issue.

BZ#1038383

CloudForms Management Engine displays an "Abandon Changes" dialog box when clicking on a different tab after downloading a SmartProxy executable. This dialog box is unnecessary. This fix adds a hidden flag to the form to stop the dialog from appearing

if not needed on a specific page. No "Abandon Changes" dialog appears when navigating to a different tab after downloading the SmartProxy executable.

BZ#1082609

The comment in the code of the EVM automate check_powered_off method is misleading.

Incorrect Description:
Notes: This method checks to see if the VM has been deleted from the VC.

The description of the check_powered_off automate method has been fixed and it now describes the method correctly.

Corrected Description:
Notes: This method checks to see if the VM has been powered off or suspended

BZ#1050038

In the previous version of CloudForms Management Engine, the cloud intelligence charge back report could be grouped by virtual machines, this option was called VM. This report screen was updated to allow grouping by virtual machines or instances. The grouping option is now called VM/Instances.

BZ#1094490

In Configure -> Configuration -> Access control, user group can be deleted while a user is still assigned. The model should not allow a group to be deleted if it is in use by a user.
Updated code to use before_destroy to ensure there are no associated users when deleting the group which has now resolved the issue. Error message while trying to delete a group with users assigned: EVM Group "test group": Error during 'destroy': Still has users assigned.

BZ#1052353

Need support for cloud-init templates for RHEV clones. This is to utilize RHEV template cloning for VM provisioning. In order to provide customization of the cloned Vms, it would be helpful if CFME could pass a cloud-init template to the new VM by mounting the script as user-data.txt on a floppy.

Added cloud-init support for RHEV cloned images. RHEV template images should support cloud-init style customization via Red Hat CloudForms customization templates, allowing the deployment and customization of VM images in RHEV without the need to the need to devise a custom solution. If a cloud-init customization

> template is associated with a RHEV clone provision request, the
> supplied customization template will be mounted as a floppy disk
> within the VM within the 'user-data.txt' file as required by
> cloud-init's RHEV datasource.

BZ#1049642

> The physical volume for a direct mapped LUN was not being
> detected by the appliance, making the LVM data for the RHEVM
> storage inaccessible. This resulted in a VM fleecing failure. An
> evminit script now issues pvscan at boot to detect physical
> volumes, enabling the appliance to access storage data.

BZ#1049596

> Need for logging enhancements for automate rake task - The
> evm_automate.log change details are backwards as it details the
> difference between the currently loaded model and the default
> model. So if the user has added an Instance to their custom model,
> the log reports this as a deletion - which is counter intuitive.
> evm_automate.log describes new classes as new namespaces. The
> differences should be shown as changes to the default model.
>
> Added granular import, modified rake tasks: Added import namespace
> and class, multi-domain import and export. Also changed
> new_domain_name to import_as to be consistent with export_as
> option. Added tests and contexts.
> Changed replace = true/false to mode=add/replace/merge and
> changed rake tasks to use yaml import/export tasks, and removed
> xml based tasks.

BZ#1142231

> Previously, the IP addresses of all virtual machines in SCVMM were
> being gathered regardless of whether or not the virtual machine
> was running. This filled the evm.log with redundant error
> logging. Now, IP addresses are only collected for running virtual
> machines and the evm.log is not spammed with false errors.

BZ#1049593

> Need for a different file output for automate rake task -- The
> evm_automate.log format is useful to analysis, but difficult to
> work with when reporting to the customer as the log format makes
> that difficult.
>
> Added granular import, modified rake tasks: Added import namespace
> and class, multi-domain import and export. Also changed
> new_domain_name to import_as to be consistent with export_as
> option. Added tests and contexts.
> Changed replace = true/false to mode=add/replace/merge and
> changed rake tasks to use yaml import/export tasks, and removed
> xml based tasks.

BZ#1045202

This update allows a user to specify the amount of memory to reserve (memory guarantee in RHEV terms) for a given VM. Certain environments, such as non-production data centers have a requirement to overcommit VM memory utilization. By default, RHEV guarantees all requested memory for a VM, preventing the ability to overcommit memory. Hence, administrators were not able to overcommit memory for VMs. Administrators can now specify the amount of memory reserved for the VM.

BZ#1145306

In the beta version of CloudForms Management Engine 5.3, while updating the appliance from version 5.2.z to 5.3, the update start script did not stop the appliance correctly before starting the update. This bug was fixed by updating the update start script to stop the appliance correctly before starting the update.

BZ#1044777

In the previous version of CloudForms Management Engine, there was a navigation error in the set virtual machine / instance ownership page for virtual machines or instances related to a Red Hat OpenStack provider. The error resulted in displaying all virtual machines and instances in the CloudForms Management Engine database, instead of displaying only the virtual machines and instances related to the Red Hat OpenStack provider. This bug was fixed in the navigation code by directing the browser to go back to the calling page instead of going to the show all page, from the set virtual machine / instance ownership page. The correct list of virtual machines and instances is now shown after navigating away from the set virtual machine / instance ownership page.

BZ#1043213

A redundant "Set Retirement Date" button appeared for already retired virtual machines and instances. This fix removes the button for retired virtual machines and instances.

BZ#1043076

There was no way to export just the methods, export allowed you to export methods from the database, or from a specified xml export file.

Added extract_methods to automate rake task; Added the ability to extract methods from the database or xml file.

BZ#1043057

> Exporting nested namespaces required specifying the parent and the
> child namespace, instead of the expected action of exporting
> everything under a specified namespace. A code update fixes the
> namespace export to include child namespaces.

BZ#1043011

> Restore EVM Appliance Factory Configuration results in file system
> check error.
>
> Restore EVM Appliance Factory Configuration option has been
> removed and replaced by configure database. Configure database
> handles disabling and enabling the pg daemon, configuring the
> /etc/fstab and much more, making Restore EVM Appliance Factory
> Configuration option now redundant.

BZ#1040698

> In case the database was not yet configured, using the 'Set Static
> Network Configuration option' explicitly restarted evmserverd,
> which did not work. As a result of this bug, using the 'Set Static
> Network Configuration option' from within the CFME console failed.
> To fix this issue, the 'Set Static Network Configuration option'
> was fixed so it no longer restarts evmserverd. Additionally, the
> postgresql service was set so that it did not stop when cleaning
> logs and rebooting.
> As a result of this fix, setting a static ip address configuration
> from within the CFME console works as expected.

BZ#1145794

> In the beta version of CloudForms Management Engine 5.3, the
> database migration script could fail when upgrading from version
> 5.2.z to 5.3 on the master appliance, with an error about a
> missing group for the current user. This could happen if the
> record for the user's group was missing. This bug was fixed by
> deleting the user's current group information if the group's
> record was missing. The database migration script no longer fails
> if the current user's group information is not present.

BZ#1039310

> The action_raise_automation_event method was raising a synthetic
> event without passing it the necessary object data. This caused
> control policies not to pass virtual machine information when
> sending data to automate. The action_raise_automation_event
> method has been updated to pass context data to the
> raise_synthetic_event method, and virtual machine information is
> now sent correctly to automate.

BZ#1081006

If no customization directory was specified while adding a new PXE
server, the PXE provisioning did not complete.
This issue has been fixed in the latest version of CFME. PXE
server can now be added without providing a customization
directory.

BZ#1039157

Running VM scans with a CFME 5.2.1.3 appliance failed against
vSphere with a VDDK error. This was caused by an OpenSSL bug. The
issue has been fixed in Red Hat Enterprise Linux 6.5 (BZ#1040069),
and CFME scans now run correctly.

BZ#1081635

The Amazon Instance Type list available through the Cloud Forms
Management Engine interface was out of sync with the options
available through the Amazon EC2 console. This meant the user was
unable to create instances of all types available on Amazon EC2.
The list of Amazon instance types was updated, and all Amazon
instance types are now available to the user in the Cloud Forms
Management Engine interface.

BZ#1038819

An error in code designed to prevent constant reseeding by
checking an mtime file caused feature seeding to fail.
Additionally, MiqProductFeature.features was being cached, which
caused problems when only seeding specific features. These issues
caused some features to be missing from the UI. The check against
the mtime file has been removed, and the cache is now cleared in
EvmSpecHelper.clear_caches. All features now seed correctly and
display as expected in the UI.

BZ#1038812

Smart state analysis was logging excessive data. As a result,
running a smart state analysis against a certain types of virtual
machine completed successfully but no new data displayed under the
VM summary and the proxy log contained several syntax errors. The
analysis now logs only relevant scan data and information displays
correctly under the VM summary.

BZ#1067527

This new enhancement allows CFME to capture OpenStack events from
the RabbitMQ and Qpid messaging applications.

BZ#1082808

Choosing one specific hour when creating a time profile with all
days caused an undefined method error in the Host Capacity and
Utilization screen:

Error: âundefined method 'nil_out_values' for
<MetricRollup:0x007faf671ca228> [host/perf_chart_chooser]â.

The "apply_time_profile_hourly" method name has been updated to
"nil_out_values_for_apply_time_profile", and the Capacity and
Utilization screen now displays correctly.

BZ#1145831

While configuring the database from black console, accepting the
default value of â1â when prompted to create a new key resulted in
an error:
"/opt/rh/ruby193/root/usr/share/ruby/optparse.rb:228:in 'quote':
can't convert Fixnum to String (TypeError)".

Modified code for a better default option of generating a key.
This has now resolved the issue and there is no error when
creating encryption key.

BZ#1144483

The beta version of CloudForms Management Engine 5.3 carried a
copy of documents from the 5.2 CloudForms Management Engine
release. This was fixed by replacing the older documents with
current documents from the CloudForms Management Engine 5.3.0
release. A CloudForms Management Engine 5.3 appliance now deploys
with the documents for the correct release.

BZ#1146116

LDAP connection for all RestAPI web service calls failed for all
users other than Admin.

BZ#1037652

Migrations from EVM v4 to Red Hat CloudForms 3.0 did not specify
the new location for PostgreSQL logs and configuration. This
stopped CloudForms Management Engine's UI from collecting the log
files. This fix updates the log and configuration file locations.
Red Hat CloudForms 3.0 now uses the correct paths for log and
configuration files.

BZ#1035638

Clicking on Control -> Log, the UI threw an error: "Unexpected
error encountered" Incompatible character encodings: ASCII-8Bit
and UTF-8 [miq_policy/log]

> Fixed code so that the VMDBLogger keeps the internal string
> encoding as UTF-8. This has now fixed the issue.

BZ#1035313

> In Clouds > Instances > Lifecycle > Provision Instances, selecting
> a template and clicking continue the provisioning tabs should be
> visible. On the 'Environment' tab, selecting the 'Choose
> Automatically' check box removes the 'Availability Zones',
> 'Security Groups' and 'Public IP Address' check box selections.
>
> The dialogs have been updated to make the security group
> optional. Both OpenStack and Amazon don't require that the
> Security Group be provided explicitly for every provision request
> and if one isn't specified they use the Default Security group
> associated with the account, which has now resolved the issue.

BZ#1033900

> The automation model was missing some of the model changes for
> service retirement. The components have been updated so that the
> /Automation/Servicelifecycle and
> /Factory/Statemachine/serviceretirement classes are now visible.

BZ#1030690

> In the previous version of CloudForms Management Engine, changing
> the cloud provider quadrants setting in My Settings -> Visual had
> no effect. This bug was fixed by correcting the code that handled
> the cloud provider quadrants setting. The cloud provider
> quadrants now work as expected.

BZ#1030647

> In the beta version of CloudForms Management Engine 5.3,
> navigating from the cloud provider instances explorer screen to
> the services main menu brought the user back to the instances
> explorer instead of loading the last visited sub menu under the
> services main menu. This was due to incorrect links generated for
> the services main menu in the instances and images list views.
> This bug was fixed in the code by generating the correct links for
> the services menu. Navigating to the services main menu from the
> instances explorer now works as expected.

BZ#1030552

> In Infrastructure > Virtual Machines, selecting a VM with Event
> Logs data on the summary screen throws an error.
>
> Fixed link to âEvent Logsâ on VM summary screen to not blow up,
> needed to set @explorer for VM records so show_item and
> show_details methods can replace_right_cell when in VM explorer.

BZ#1030539

> In the previous version of CloudForms Management Engine, clicking on the reset button on the customization template edit screen resulted in an undefined local variable or method error. This was because of a typographical error in the method name called when the reset button was pressed. This bug was fixed by correcting the typographical error in the method name. The reset button now works as expected on the customization template edit screen.

BZ#1030165

> In the previous version of CloudForms Management Engine, after adding a Red Hat OpenStack Provider, there was only one entry called "No Availability Zone" listed in the availability zones tab. This was due to a bug in the API used to connect to the OpenStack provider. This bug was fixed by re-basing the library providing the OpenStack connection API to the newest version. The availability zones tab now list all availability zones as expected.

BZ#1083780

> In the beta version of CloudForms Management Engine 5.3, while updating the appliance from version 5.2.z to 5.3, the update start script did not stop the appliance correctly before starting the update. This bug was fixed by updating the update start script to stop the appliance correctly before starting the update.

BZ#1111659

> Attempting to add or edit a service catalog item custom button resulted in "The user is not authorized for this task or item."
>
> To fix this issue the RBAC check function was modified so that the user is allowed access to the service catalog item custom button, and is now able to add or edit the items.

BZ#1029204

> In the beta version of CloudForms Management Engine 5.3, Virtual Private Cloud and Cloud Subnet support to Amazon instance provisioning was not provided. To fix this issue, Virtual Private Cloud and Cloud Subnet fields were added to Amazon provisioning dialog. Additionally, existing fields (Security Groups/Elastic IP Address) from the Properties tab were moved to the Environment tab. The current version of CFME provided Virtual Private Cloud and Cloud Subnet support to Amazon instance provisioning.

BZ#1029152

> The RHEV-M event monitor attempts to call a private class method when monitoring events. This causes a stack trace and event collection to fail. The call has been fixed, and the RHEV-M event monitor now collects events correctly.

BZ#1085939

In the beta version of CloudForms Management Engine 5.3, when editing Automate schema, changing a schema field for a class would change the value of the substitute column to true if it was false before. This was due to an error in the user interface programming logic. This bug was fixed by correcting the order in which the validation code converted boolean values. The substitute column no longer reverts to true when editing a class in Automate schema.

BZ#1027377

In the beta version of CloudForms Management Engine 5.3, users were getting an undefined method error when trying to save changes to an ISO Image. This issue was fixed by setting refresh_tree parameters. Now, users don't encounter any errors when trying to save ISO image type edit changes.

BZ#1055595

Previously, Amazon provisioning failed with the error "The security group 'xxxx' does not exist in VPC 'vpc-xxx" when 2 virtual private cloud networks have a security group with the same name. This was caused by using the Red Hat CloudForms' security group configuration instead of Amazon's security group configuration. This has been fixed by changing code to pass the correct Amazon security_group IDs.

BZ#1026499

CFME migration documentation had no directions for customers attempting to migrate from EVM V4 to CFME 3.0 with respect to how to correctly handle dialogs that are saved into the filesystem in the EVM V4 environment, but incorporated into the VMDB in the CFME environments.

Added migration and tools script to import v4 provision dialogs stored in db/fixtures into the database.

https://access.redhat.com/site/articles/871253

BZ#1086832

Deprecated role logic cased an undefined method error:

[NoMethodError]: undefined method 'name' for nil:NilClass Method: [rescue in block in seed] /var/www/miq/vmdb/app/models/user.rb:744:in 'block (2 levels) in seed_users_to_group'

The old logic has been removed from the seed_users_to_group method, and the method now executes correctly.

BZ#1059834

Customer requires the need to organize related services for PaaS
provisioning - They plan to utilize a parent service as the
placeholder for environment and application name, with child
services representing each application tier (i.e. EWS tier 1
server, EAP tier 2 service, etc). The VMDB database already has
support for service hierarchies, but it is not currently exposed
via the UI.

Added support for service hierarchies. For multipart service
deployments, parent/child relationships between services can now
be visualized in the 'My Services' tree view. The visibility of
child services can be enabled via the "display" attribute on
MiqAeServiceService for child services to appear in the
hierarchy, by default they are hidden. Also added an explicit
method for creating new service records via automation.

BZ#1025910

In the previous version of CloudForms Management Engine, the
service dialog text area input was limited to 250 characters
which is too small for several customer use cases, such as,
lengthy URLs and SSH keys,
This issue is fixed in the current version of CFME. Now, the
service dialog text area does not have a 250 character limit
anymore.

BZ#1087495

In the previous version of CloudForms Management Engine, the user
got a HTTP-403 forbidden error when trying to add, reset or
remove a dashboard widget using Internet Explorer 8. This bug was
fixed by correcting the handling of Internet Explorer 8 browser
requests in the dashboard controller code. Users can now
manipulate dashboard widgets when using Internet Explorer 8 as
expected.

BZ#1061420

Previously, the VmdbDatabase.seed module failed with a fatal
undefined method error caused by an incorrect path to the
Postgres data directory wherein paths to the postgres data
directory were previously pointing to the old postgres location.
All paths have been updated to prevent the fatal crash from
happening.

BZ#1087539

In the beta version of CloudForms Management Engine 5.3, it was
not possible to download the entire AE log file from the Automate
-> Log section using the Internet Explorer 8 browser. This was
caused by Internet Explorer not passing referer information on

redirects to the CloudForms Management Engine appliance. This bug was fixed by whitelisting the known instances of this Internet Explorer error. It is now possible to download the entire AE log file using Internet Explorer.

BZ#1024837

The CatalogBundleInitialization method did not consistently set the options_hash key, which caused :option_0_db_name to pass unchanged to child tasks. The key has been updated to "option_key" to match the intended behaviour and log messages, and the correct :db_name is passed to child tasks.

BZ#1024019

Dynamic dialog control did not pass field values when refresh button was clicked.

Code has been fixed and all dialog values are correctly passed; the issue is now resolved.

BZ#1087923

The Prince license file was not being applied properly, causing a lack of styling and a watermark to appear. The file has been updated with new contents for Prince version 9 and moved to the system directory for deployment on new appliances. Files now appear correctly.

BZ#1061945

Automate methods did not correctly parse dialog values prefixed with "dialog_", which caused tags and options not to be passed to children. The regular expressions for automate methods have been updated to include the prefix, and dialog information is collected and passed correctly.

BZ#1088015

Attempting to set/change database region of a CFME appliance from the black console fails with this error: undefined method 'bail_if_db_connections'(NoMethodError)
Updated code to add sass gem to Gemfile which has now fixed the issue.

BZ#1088205

If a user only had access to features in the PXE explorer, the main Infrastructure tab returned error. The user got a Missing template dashboard/maintab error when trying to access the infrastructure tab.

This was fixed by adding the PXE explorer to the list of features
under the infrastructure tab.
Now, no error is reported when the user clicks on Infrastructure
main tab.

BZ#1089061

The VM Analysis state machine creates a db transaction which
blocked event-driven automate actions from running. Actions
include "VM Analysis Start", "VM Analysis Complete" and "VM
Analysis Failure". Logs contained an error message like:
"Automate: Unable to launch Automate Method because currently in
SQL transaction"
Implemented internal state machine with no transaction required.
This has now resolved the issue.

BZ#1021717

In the CloudForms Management Engine user interface if a user
selected multiple services from the Services Explorer tab, he was
not able to configure/set ownership or group options. This issue
was fixed by applying code changes to set proper value when
changing ownership for more than one service. Users can now set
ownership and group for multiple services.

BZ#1090528

There was an error when performing smart analysis on a RHEV
environment after a reboot.
Error message: 'Unable to mount filesystem'

The situation arose in a VM in the environment, when an
unpartitioned virtual disk was added to a volume group of the VM,
the unpartitioned virtual disk appeared as a logical volume (LV)
in the volume group on the storage LUN. When the cfme appliance
scans for physical volumes (PV), it sees the LV as a PV because of
the metadata it finds on the LV. However, this isn't a problem
when the virtual disk is partitioned because the metadata won't
appear in the expected location on the LV.

Updated code so that CFME ignores physical volumes that are also
logical volumes. When determining which physical volumes
correspond to RHEV storage LUNs, CFME will not consider physical
volumes that are also logical volumes. This has fixed the issue
and there is no error reported.

BZ#1021650

In the previous version of CloudForms Management Engine, the
reports editor under the reports explorer had a incorrectly
formatted "Selected" column on the Summary tab. This was caused
by incorrect formatting of the table cell used to hold the
"Selected" column. Additionally, the column name for the total
count row in a saved report was incorrectly formatted. This was

caused by incorrect processing of the column name. These bugs were fixed by correcting the formatting bugs for these form objects. The reports editor is formatted correctly in the current version of CloudForms Management Engine.

BZ#1090877

Logged in user with super_administer role can be deleted via configuration with an error thrown: undefined method 'miq_user_role' for nil:NilClass [ops/x_button] Appliance UI has been updated to check that both admin as well as the currently logged in user as per the UI session are restricted in that they cannot be deleted. New UI flash message added for "Current User %{name} cannot be deleted"

BZ#1020337

IPMI credentials could not be deleted from a host's database. If they were removed and the host was saved, the IPMI credentials were not actually removed from the DB. They reappeared while editing the host. The code that excludes authentication records to be saved to the DB if userid is blank has been removed. The IPMI credentials are now permanently removed when deleted from the host's edit page.

BZ#1138861

Previously, transferring an encryption key from one appliance to another appliance required a shell script. Now, the option to fetch a key from a remote machine appears in the appliance console.

BZ#1091104

In the beta version of CloudForms Management Engine 5.3, editing Zones under Configurations -> Settings resulted in an unauthorized user error message. Additionally, attempting to delete a Zone resulted in an invalid button action error. This was due to missing code to handle Zone edits and deletes. This bug was fixed by adding the code required to handle edits and deletes. Editing and deleting zones now works as expected.

BZ#1138478

In the beta version of CloudForms Management Engine 5.3, logrotate failed to rotate the VMDB log files with the message that the log file did not need rotating. This bug was fixed in the new version of CloudForms Management Engine 5.3.

BZ#1144065

> Previously, a typo in the assert_privileges call meant that users were experiencing authorization issues when attempting to edit a SmartProxy. This typo has been corrected and users can now edit a SmartProxy as expected.

BZ#1019443

> The proxy password was exposed at Red Hat Update. When entering a proxy setup for Red Hat Updates, the proxy server's password was exposed in the /var/www/miq/vmdb/log/evm.log. The fix encrypts the passwords before putting options on the queue. As a result, the proxy password is no longer exposed in the log.

BZ#1092381

> In the beta version of CloudForms Management Engine 5.3, creating a group with a duplicate name resulted in two instances of a flash message informing the administrator that the group name was already present. This was because the group name was being validated in two places in the code. This bug was fixed by removing one of the two group name validation code blocks. Only one flash message is now presented to the administrator when attempting to create a group with a duplicate name.

BZ#1136941

> In the beta version of CloudForms Management Engine 5.3, a minor version update started from the web user interface would fail sometimes, without logging any errors in the evm log file. This was because the correct options were not passed to the yum update command. This bug was fixed by passing the correct options to the yum command. Additional log messages were added to raise errors about missing arguments for the yum command.

BZ#1136573

> In the beta version of CloudForms Management Engine 5.3, when initializing the appliance with the appliance_console command, a very cryptic error was logged if a custom encryption key was not present and had to either be generated anew or copied over from an existing appliance. This bug was fixed by changing the appliance_console command to log a descriptive error if the encryption key was not found. The user can now correctly setup the encryption key for the appliance when running the appliance_console command.

BZ#1071440

> Due to an error in the Openstack Event Monitoring logic, calls to the Event Monitor resulted in a nil value instead of cache hits. This fix corrects the code logic and the OpenStack Event Monitor now returns cache hits.

BZ#1135072

> Appliance in the reporting region that performed power operations
> across regions had stopped working.
>
> The region to region communication has been fixed:
>   - vmdbws controller accepts username/password
>   - the password is unique per installation due to encryption
> w/ v2_key
> The above change has now fixed the problem.

BZ#1120364

> Red Hat CloudForms did not recover from temporary connection
> problems to external database: Stopping the external database for
> some time and restarting it, all Red Hat CloudForms background
> processes except for MiqServer.monitor froze, and evm.log showed
> that MiqServer.monitor always failed an error message.
> Code has been fixed in ruby193-rubygem-activerecord-3.2.17-4.el6cf
> and the issue has now been resolved.

BZ#1018392

> Searching for a VM name containing a dot (.) caused a database
> error: Database statement error encountered
> [vm_infra/x_search_by_name]. An SQL query issue with Rails 3.2.13
> has been fixed. Searches can now be conducted for a VM name
> containing a dot (.) without causing an error.

BZ#1120412

> Migrating roles to group settings during the upgrade from EVM V4
> to the current Cloud Forms Management Engine codebase used to
> fail with the error - undefined method 'settings' for
> nil:NilClass. This was because the migration code could not handle
> groups with a nil miq_user_role. This was fixed by making the
> migration code aware of such groups. The migration process now
> completes successfully with this fix.

BZ#1135052

> For 5.3 updates to work, the RHSCL repository "rhel-server-rhscl-
> 6-rpms" was required to be enabled after CFME has successfully
> registered and subscribed. However, RHSCL repository should be
> auto-enabled once subscribed.
>
> Code was updated to add SCL channel when registering. Also,
> migrated Default Registration Channel Names for v5.3.

BZ#1135051

> When configuring ipa using the appliance_console, the server
> defaults the ipa realm based upon the host's domain name. But the
> machines in the lab require a different realm -- The ipa can not

be installed without this change.

Code was fixed and the ipa configuration installation is now successful.

BZ#1063476

A policy configured to recognize an increase in the virtual machine's RAM size, failed to report on the event when the RAM size increased. The logs indicated that the prior size and the current size were reversed in the condition logic. VM_drift_state refactoring reversed the order in which the drift states were returned causing the compare method to return the opposite result. The compare method's condition logic has been fixed to recognize the correct values. RAM size comparison should now be correctly recognized in CFME 5.2.

BZ#1014799

The directory containing postgresql 'psql' command was not in the default path, therefore the backup and restore processing was not possible.

Prepended the library path to the worker command line, re-enabled the source of defaults file to setup user environment. This has fixed the issue and the psql command is available on the appliance.

BZ#1006637

CloudForms Management Engine did not capture the number of cores available on the host's CPUs. This resulted in CloudForms Management Engine reporting fewer host CPU's then what was actually on the host system.
To fix this issue the code querying the RHEVm API was corrected to include Host CPU attributes in the query.
The host CPU information is now correctly displayed in host summary and the host hardware information report. It also adds up correctly in the provider summary.

BZ#1132893

When restored a 3.0 Database that had multiple connections to various provider, was unable to edit the password field of the providers. Click on the provider, selecting configuration and edit, the UI crashed with an error.

Not shipping the default v2_key on the cfme appliance. Added key generation to the appliance console. The changes have now resolved the issue.

BZ#1094487

In Configure -> Configuration -> Access control, user role can be deleted while a new group is assigned the role. And clicking on the group after deleting the role the UI will crash. Also if a user is based on the group the login screen will fail.
User role should not be deleted while a group is still assigned. Added :dependent => :restrict to MiqUserRole's miq_groups association which has now resolved the issue. Error message while deleting a role with a group assigned: Role "test-role": Error during 'destroy': Cannot delete record because of dependent miq_groups

BZ#1114163

As part of the RHCI Common Install, we would like the ability to query, modify and/or make a API call to the CFME black console menu options for remote appliance configuration. Also the ability to attach and configure the VMDB database on the deployed appliance.

CloudForms Management Engine 5.3 includes appliance_console_cli which lets you setup a local database, or external database. It also partitions the database disk.

BZ#1004039

Previously, duplicate entries of utilization records were displayed when viewing the virtual machine's hourly performance chart report data. When metric_rollups tables were created, previous tables, including the hourly data table were merged into one, resulting in the daily record for the chosen day being returned along with the hourly records. An interval type was added to the "where" clause to fix this issue. Only one record should now appear in the virtual machine's hourly performance chart report.

BZ#1001029

Restore EVM Appliance Factory Configuration results in file system check error.

Restore EVM Appliance Factory Configuration option has been removed and replaced by configure database. Configure database handles disabling and enabling the pg daemon, configuring the /etc/fstab and much more, making Restore EVM Appliance Factory Configuration option now redundant.

BZ#1094984

Customer chooses to change the default password for their POSTGRESQL database retaining the ârootâ user id. When a newly created appliance attempts to join the existing VMDB after the default root password has changed, the attempt fails returning âValidated - failed with error - FATAL password authentication

failed for user "root". This occurred in the situation where the
root userid is retained but the password is altered.

Added fix_auth tool to upgrade user to a new encryption key which
has now fixed the issue.

BZ#1143307

Previously, an inconsistency in Gemfiles between versions meant
that an update to 5.3.0.10 was prevented by a locked RubyGem.
Now, the Gemfile.lock has been updated so that updates operate as
expected.

BZ#1069746

Selecting a snapshot in the snapshots tree did not refresh the
toolbars. Hence, the 'Create snapshot' button which should only
be enabled when an active snapshot is selected, was enabled for
inactive snapshots as well. The code to replace center toolbars
when a snapshot is selected has been fixed and the 'Create
snapshot' button is no longer enabled for inactive snapshots.

BZ#1064448

This fix corrects an error in the name of the appliance template
users download from the Red Hat Customer Portal.

BZ#1064933

An automated script referencing an OpenStack instance provisioned
by CFME failed with the error "uninitialized constant
MiqAeMethodService::MiqAeServiceMiqProvisionOpenstack" because
the MiqAeServiceMiqProvisionOpenstack method was missing from the
automated service models. This missing provisioning service model
has since been added into the automated service models. The script
now runs successfully.

BZ#989625

purge_all_storage_data.rb tool failed in CFME 5.2

A FFI version of the vddk binding was implemented and the issue
that the message not being able to load the C vddk binding
doesn't appear any more.

BZ#1102287

In the beta version of CloudForms Management Engine 5.3, the
default "Repository Name" field in the Red Hat Updates section
referred to the CFME 5.2 repository. This has been corrected to
refer to the CFME 5.3 repository name, which is "cf-me-5.3-for-
rhel-6-rpms".

BZ#1122123

> The provision task had a state named "provisioned" which was not a valid state for its associated provision request. As a result, after a provision task had finished provisioning a VM, the task's status could not be sent to its parent provision request due to a validation error. The "provisioned" state is now recognized as a valid state, which allows the task's status to reflect correctly.

BZ#1101819

> In the beta version of CloudForms Management Engine 5.3, configuring an email alert for a policy assigned to a Virtual Machine did not work as expected. This was due to incorrect handling of the recipient email address in the alert processing code. This bug was resolved by correcting the handling of the recipient email address. Email alerts for policies now work as expected.

BZ#1131716

> In the older versions of Cloud Forms Management Engine, the VMDB configuration parser did not catch syntax errors in the configuration file that were a result of the administrator using the Advanced configuration editor. This resulted in a fatal error later. This was fixed by catching syntax error exceptions in the configuration parser. The UI now displays a user friendly warning about the invalid syntax using a flash message.

BZ#1131692

> When enabling external authentication with an IPA Server, while the Web-UI allowed for username/passwords of the IPA server to be specified to login, the REST API as well as the SOAP Web Services did not and resulted in a 401 error. Only the local admin account was allowed in.
>
> Updated REST and SOAP API's to support external authentication and the issue is now resolved.
>   - Added a :require_user option to User.authenticate
>   - Added :timeout option to MiqTask.wait_for_taskid
>   - Updated REST API to pass HTTP Env and option to User.authenticate
>   - Updated Appliance Console to extend the Apache External configuration
>   to be REST and SOAP API aware.
>   - Properly unconfiguring HTTPD application from appliance console.
>   - Added REST API and SOAP :authentication_timeout config, both
>   default to 30 seconds

BZ#1122259

RHEV VMs with custom attributes longer than 255 characters
prevented the affected VMs from being updated and also prevented
deleted RHEV VMs from being being flagged as deleted in the VMDB,
as this violated the database schema. The RHEV inventory parser
was updated to truncate custom attribute values that exceed the
DB limit to the expected size, which allowed the VMs to be
updated.

BZ#1122264

vSphere fleecing was not working due to missing symlinks in the
/var/www/miq/lib/VixDiskLib/vddklib.
Fixed VMware fleecing Issue with missing Symlinks:
Changed VixDiskLibServer process LD_LIBRARY_PATH to use the actual
location of the VixDiskLib libraries.

BZ#1065126

If a VM had more than one disk whose name did not match an
expected pattern, the disks would overwrite each other within the
database, resulting in an incorrect disk inventory for the VM. The
RHEV inventory refresher unit test needed to be updated in
support of the new VM disk location assignment logic. Now all
disks are assigned a unique controller location to prevent
unexpected overwrites.

BZ#1131159

Cloud Form Management Engine 5.3.0 builds were not being built
from the correct Red Hat Enterprise Linux z stream, making the
appliance require hundreds of updates on an initial yum update.
This issue is fixed in the latest version.

BZ#980065

During virtual machine analysis, since the scan code is unaware of
the profile to use, all items such as files, registry entries, etc
(depending on the VM OS) in the custom analysis profile are
ignored and are not imported. While, all items in the "default"
analysis profile are captured as expected.

Code has been updated and the user is able to assign custom
analysis profile to VM. The custom analysis profile is now read
and passed on correctly. However, the data collected from the
custom profile are not saved, thus the results are not shown on
UI. A new bug 1114063 has been created to address the problem.

BZ#1130310

Fog threw a ServiceNotAvailable error when attempting to connect
to an Openstack service that is not available. However with
Swift, Fog produced an unexpected error if Swift is unavailable.
In the case of Fog, the problem is that it expects the "openstack-

service-type" to be an array. For Swift, the "openstack-service-type" is the string "object-store". This causes a problem when attempting to build a message indicating that the service is unavailable.

Updated a patch that works around this bug in Fog where, if Swift is unavailable, Fog will now throw an unexpected error instead of indicating that the service is unavailable. This patch will suffice until an updated patch is included in Fog, with an update to the latest community version.

Also, note that if Swift is misconfigured, attempts to manage the environment by CFME may fail with a 503 error.

BZ#1067202

Need for allowing widget contents to be saved based on either Group/TZ combination or User/Group combination (for members of self service groups)
* Change the UI to lookup widget contents based on User/Group combination first, then Group/TZ
* Modifying the logic to fetch widget contents to the model layer, so UI code can just ask for the contents of a widget
* If a User no longer belongs to an LDAP group, remove his dashboards for that group so widgets are no longer generated for it
Code has been updated to include the following changes:

*Generate the widget contents based on group/TZ combination
 -instead of per user for non-self service users.
Replace owner_id and owner_type with miq_group_id and userid in table miq_widget_content.
 -Remove all MiqWidgetContent data when migrating.
 -When owner is a user, there is no information about the user's group to migrate to.
 -MiqWidgetContent will be created based on either a group/TZ or group/user combination.

*Enabled creation of a widget content for each of a self service user's multiple groups.
*Pass both group and user objects to MiqWidget#generate_report to support multiple groups.
*Updated the specs related with widget generation.
*Added the checking of user filters at MiqGroup level to Rbac.get_user_info.
 -The user filters should be checked against the specified MiqGroup first to support multiple groups.
 -Check the user filters from user.miq_group only when no Miqgroup is specified for the user.
*Delete the widget contents with user_id = nil
 -when a group is changed to be a self service group.
*Spec changes for the case when a group is changed to be a self service group.
*Add/remove the index on table miq_widget_contents.

BZ#1067541

Previously, the OpenStack event monitor would test each event
monitor plugin repeatedly to determine the best plugin for each
EMS. This enhancement allows OpenStack event monitor to cache the
determined best plugin for each EMS the first time it has been
tested.

BZ#1130286

Now that the cloud quota is shown during cloud instance
provisioning, Amazon provisioning broke and threw an error.

The tenant column on pre_prov partial has been fixed. In cases
where both Amazon and Openstack images are available in the
"Select and Image" table in the _pre_prov partial, the table
shows up with uneven rows. This is caused by Amazon not having
tenants whereas OpenStack does have tenants. Originally, the logic
for showing the table column header would arbitrarily include the
header based solely on the first template in the list to be shown.
Now, the column header is shown if any of the templates in the
list can show a cloud tenant. Also, the logic for showing the
table cell is based on whether the table tenants header is shown.
Additionally, the logic for showing the data inside the table
cell is based on whether the template in the current column can
respond_to the 'cloud_tenant' method. These changes have now
fixed the problem.

BZ#956833

When integrating with Red Hat IDM, an LDAP protocol error was
thrown because of the ruby net-ldap gem bug.

Upgrade net-ldap for fix for LDAP Controls:
 -Upgraded net-ldap version is now installed â ruby193-rubygem-
net-ldap-0.7.0-1.el6cf.noarch and the issue is now resolved.

BZ#1100921

Need an alias for /var/www/miq/vmdb

Alias has been added, vmdb='cd /var/www/miq/vmdb'

BZ#1128291

After installing two 5.3.0.2 appliances, configuring one to use an
internal DB, and configuring the other to connect to the database
on the first, and entering the default credentials for the
external DB, resulted in an error message: FATAL: password
authentication failed for user "root". This was because the socket
on localhost that uses ident was not properly identifying the root
user. Also, the wrong password was ending up in the database, that
is "md5#{md5("root")}" - which can not be accessible.

Setup password for internal database config that enabled
connection to an external database successfully and the issue is

```
now resolved.
    - both internal and external prompt for user credentials
    - move database config into common area
    - donât show (none for non default) if no default password
    - use md5 for all network connections (no ident installed)
    - allow cli to pass in username/password
    - configure CentOS appliance with default password
```

BZ#1127959

```
This update fixes an issue where the Openstack Event Catcher
prevented the amqp_port value from the config/vmdb.tmpl.yml file
from taking effect. Additionally, the default value in the
config/vmdb.tmpl.yml file was set to assume SSL for AMQP. Assuming
SSL for AMQP proved confusing since several other steps are
required to actually configure the appliance to support AMQP over
SSL. The default port setting for AMQP has been changed to non-ssl
and the def_options has been changed so that the default values
are only used when there are no corresponding values provided in
the options parameter. This means that the amqp_port value from
the config/vmdb.tmpl.yml file will now be able to take effect.
```

BZ#1127789

```
After deploying a 5.2.z appliance, configure the database, and
then log into the UI and enabling the smartproxy server role, the
web UI worker seems to crash (abort) with a stack trace and
restarts.
âundefined method 'error_field' for nil:NilClassâ
Fixed code such that the undefined method 'error_field' for
nil:NilClass is not logged in evm.log and that the Web UI stays
online after enabling smartproxy server role. This has now fixed
the issue.
```

BZ#1126476

```
SmartState Analysis failed for non-English Windows versions with
an error message:
invalid byte sequence in UTF-8 for VM: /rhev/data-
center/c14cb2e6-3c7a-443e-8ddd-
0d31e5493d86/mastersd/master/vms/5245326d-db6a-415e-b101-
89cf82467117/5245326d-db6a-415e-b101-89cf82467117.ovf]

Fixed SmartState Analysis failures on non-English VMs. Text
retrieved from non-English Windows VMs may be encoded in UTF-16.
This text may contain byte sequences that are not valid in UTF-8.
Check the text for valid encoding, and convert to UTF-8 as
needed. These changes have now fixed the issue.
```

BZ#1099609

```
When selecting a VM to edit from the host summary screen, the user
is presented with two VM lists to select from.
The form used to select a VM to edit was confusing.
To fix this issue, the VM selection form was fixed to only
```

> populate the list of VMs on the right hand side and the list on
> the left hand was left blank.
> As a result of this fix, only one list of VMs is now presented to
> the user.

BZ#1099622

> Provisioning an Amazon instance threw an error : undefined method
> 'get_timezones' for <MiqProvisionAmazonWorkflow:0x0000000b6b6e48>
> [vm_cloud/pre_prov]. This issue was caused by an issue on build
> miq-01-0516 where the automate domains were not properly seeded.
>
> The issue with the build where the Automate model was not seeded
> properly has been fixed, and all the Automate Namespaces in
> Automate Explorer are available. Provisioning an Amazon instance
> is now successful without any error.

BZ#946836

> When the EMS Events generated from RHEV that CloudForms
> Management Engine (CFME) does not know about, CFME would log an
> error to evm.log. The fix:
> 1) Identified the specific RHEV events that were causing failures
> and create event mappings in CFME. This fix would stop CFME from
> logging errors for those specific RHEV events.
> 2) Created better mechanism for identifying future unmapped RHEV
> events. After this fix, CFME will log a warning containing
> details of the unmappeed event to the rhevm.log file. This data
> can be collected easier from the rhevm.log since that log file
> does not receive nearly the traffic that evm.log receives.
> As a result, CFME no longer logs an incorrect error.

BZ#1099996

> Creating a catalog item of type âRHEVâ resulted in an error:
> undefined method 'get_timezones' for
> <MiqProvisionRedhatWorkflow:0x0000000c157ed8>
> [catalog/atomic_form_field_changed]. This issue was caused by an
> issue on build miq-01-0516 where the automate domains were not
> properly seeded.
>
> Code fixed: Added missing routes when adding Catalog Item Type â
> Redhat. The issue is now resolved as there is no error displayed
> while adding a catalog item of type REDHAT.

BZ#1098627

> When editing ownership of VMs or Templates as sub lists from any
> parents listnav was displayed on the left, instead of showing a
> blank screen. Also, when trying to edit ownership on Templates for
> a host, it threw as error about missing partial.
>
> Fixed code to not show listnav when on Set ownership form for list
> of VMs or Templates for another CI. Also fixed the partial name
> when pressing Set Ownership button for list of Templates for

another CI through relationships. Fixed code to display
"Save/Reset" buttons on ownership screen. When editing ownership
of VMs or Templates as sub lists from any parents it now displays
blank listnav on the left side.

Automate

BZ#1119402

Previously, a routing error occurred when provisioning cloud
instances:

Action not implemented [vm_cloud/pre_prov]

Now, this issue has been fixed, and the error no longer occurs.

BZ#1102852

When attempting to use the Integration / VimApi /
VMware_HotAdd_Disk method to add a disk to a VM in VMware, a ruby
error was generated and disk wasnât being added.

The MiqVimVm#addDisk method was using the public accessor
dsName2mo() when creating the ConfigSpec used to add a disk to the
VM; causing the returned object to be wrapped in a MiqDrbReturn
object. This caused the MiqDrbReturn object to be passed back to
the client, since only top-level return objects should be wrapped
in MiqDrbReturn. The client would then pass this unexpected
object to the VMware VIM API, causing the failure.

Using the internal accessor dsName2mo_local() when acquiring sub-
objects of the ConfigSpec, since this method does not wrap its
returned value in a MiqDrbReturn object was the solution.

Also, fixed VMware service model methods for set_memory and
add_disk; both method names were incorrectly set to an existing
method name in a previous refactoring. This has fixed the issue
and disk is now being added to a VM in Vmware without any error.

BZ#1109256

In the beta version of CloudForms Management Engine UI, when a
user tried to edit ISO image in Infra / PXE / ISO Datastores, an
"Action not implemented [pxe/x_button]" error page was displayed,
which resulted in failure to edit. This issue was fixed by adding
the missing routing information in the code. In the current
version, the user can edit an ISO image successfully.

BZ#1114747

Attempting to create an instance in automate, threw an error:
WARN -- : Session::DalliStore#set: Value too large, memcached can
only store 1048576 bytes per key [key:
MIQ:VMDB:86346c9e21029126785058ecd92202e6, size: 1126745].

Changed code to add/edit instance to not store AR Objects in @edit, but, to store the required fields into array of hashes instead. Besides, some minor cleanups were also made to methods. These changes has fixed the issue and now there is no error.

BZ#1128891

This update fixes an issue where the VM configuration maximum limit could not be modified. This meant that the Reconfigure VM Option in Cloudforms would throw an error if a value higher than 16GB Memory or 8 processors is entered. The configuration maximums for VMware 5.1 is 1TB and 64 vCPU. The memory limit in Cloudforms has been adjusted to the VMware hardware version limit. This means that the Reconfigure VM Option in Cloudforms will no longer throw an error if a value higher than 16GB Memory or 8 processors is entered.

BZ#1146508

Adding a domain with a space in its name, a flash message with success message appeared but the domain could not be seen in the UI.

coding style: Add space after comma. Also updated code to show error message when a domain/namespace already exists. Previously, webui would display a success message informing the domain/namespace was successfuly created, although it wasn't. The changes have now fixed the problem.

BZ#1133707

When a user attempted to reconfigure a VM (memory or CPU) the settings did not go through to make that change in VMWare. The related events were visible in the evm.log but there were no tasks being done in the Vcenter.

The Reconfigure VM action creates a request which is not auto-approved with the default automate model. A user or admin must go to Services -> Request and approve the corresponding VM Reconfigure request. Other actions, like VM/Service/Host provision, send the UI to the Service -> Request screen once the action is successfully submitted.

Fixed code to redirect to the Requests list page after a VM Reconfigure. This has now fixed the problem.

BZ#1135070

The update_retirement_status method in automate did not return a status. The method has been updated and now returns a status as expected.

BZ#1132139

In the Cloud Forms Management Engine 5.3 beta release, the RedHat Automate data store domain was not enabled on the appliance. This was because the MiqAeDatastore seeding process did not honor the enabled flag for the RedHat domain. This was fixed by changing the data store code to recognize the enabled flag during seeding. The RedHat Automate data store is correctly enabled as expected now.

BZ#1132142

In the older version of Cloud Forms Management Engine, a class not found error is encountered when running a simulation for the Request object under Automate and the simulation fails. This was due to an extra round of URL encoding being run on the class URL resulting in a mangled URL. This was fixed by disabling the additional encoding pass. Request object simulations can now be submitted successfully.

BZ#1133672

Placement of cloud instances is currently not implemented as part of the Automate State Machine; it is hard coded to be executed at specific points during provisioning. Placement of cloud instances should be part of Automate State Machine as the user may like to call Placement logic after specific states.

Automate DB changes for Cloud Placement via State Machine. Also, Model and Dialog Changes for Placement via State Machine. This has the now fixed the problem, both types of placement: "Choose Automatically" and "Configure placement" is correct.

BZ#1132136

In the older versions of Cloud Forms Management Engine, VM placement logic was embedded in the CFME internal state machine. This did not provide the flexibility that was required by some users who wanted to call the logic before or after pre-provisioning was run, or at some other specific point. This was fixed by implementing the VM placement logic as a part of the Automate State Machine. Note that the old logic of running placement via UI_PROVISION_INFO from the internal state machine will still work.

BZ#1135055

As part of the Method Override across domains a user can create just the method in their high priority domain. The user expects that their methods would get used instead of the method from a lower priority domain. The feature failed with the "method missing" message.

Code has been updated to implement case insensitive search of method names. When searching for methods, the case shouldn't be taken into account. This has now fixed the problem.

BZ#1135057

In Lifecycle > Clone this VM, cloning a VM and not choosing a
customization spec results in an error. Clone should complete, or
a UI error should state that customization spec is required.

Basic provisioning functionality has changed since the
manageIQ/RedHat automate domain split. The ManageIQ domain
contains very basic provision functionality and the VMware
preprovision_clone_to_vm automate method contains only a log
message. The RedHat domain contains more advanced provisioning
options and the VMware preprovision_clone_to_vm automate method
contains the original automate method functionality. The RedHat
domain automate method has been changed to comment out the
customization spec section, leaving the code there to be used as a
sample.

The issue has now been resolved.

BZ#1132115

A new finished statemachine state has been added which calls a
common method to set the provision status to finished and sets the
appropriate message.

BZ#1121287

Previously, the host provisioning request would not complete when
adding a vSphere host, and attempting to provision the host
through CFME. As a result, the request would be approved, but the
status would still show as "Pending."

Now, this issue has been fixed by updating the automate method
parse_provider_category for host provisioning, and adding a check
for miq_host_provision key. As a result,
this corrects the issue of host provisioning not being routed to
the proper state machine.

BZ#1139868

Attempting to use VimApi / VMware_HotAdd_CPU resulted in an
MissingVMObject error.

Modifying the VMware_HotAdd_CPU script and created a button that
does not use a dialog and the issue is now fixed.

BZ#1131591

Relationships for cloud resources in the following service models
were not exposed to other models:

MiqAeServiceAvailabilityZone
MiqAeServiceCloudNetwork
MiqAeServiceCloudSubnet

```
MiqAeServiceFlavor
MiqAeServiceFloatingIp
MiqAeServiceSecurityGroup

These relationships have now been exposed to other Automate
models, and missing association flags were added.
```

BZ#1118831

```
When provisioning a VM instance with VmProvisionRequest an error
was raised. This was caused by an authentication error in the
vmdbws controller.

The basic authentication logic is fixed in the vmdbws controller,
ensuring the error lo longer appears.
```

BZ#1139870

```
The Virtualization Type field (HVM or paravirtual) was missing for
Amazon images in the cloud provider view. The UI has been
updated, and these fields now display correctly.
```

BZ#1139881

```
Amazon images have a property called root_device_type that is
either instance_store or EBS. There are instance types, for
example t1.micro, that only support EBS. Attempting to deploy an
instance_store image to an EBS only instance causes an error, for
example:

[AWS::EC2::Errors::UnsupportedOperation]: AMI 'ami-edaa1f84' with
an instance-store root device is not supported for the instance
type 't1.micro'.

The CFME web console has been updated to filter based on instance
type so only those relevant to a selected datastore are displayed.
```

BZ#1105113

```
The Rake import evm:automate:import always resulted in a Read-
Only Domain.

Changes were made to Import/Export to allow for setting of
ENABLE/SYSTEM:

    1. ManageIQ domain will be automatically set to
    SYSTEM=true,ENABLED=true,PRIORITY=0
    2. Support for restore, during restore the ENABLED attribute
from domain
    yaml file will be honored.
    3. PRIORITY will never be honored from the domain yaml file,
it is only
    used to set the import order when doing a multi domain import
    4. By default for single domain imports the domain will be
created as
```

```
     disabled (ENABLED=false).
     5. ManageIQ domain will be called ManageIQ even if
IMPORT_AS=manageiq
     6. During restore create the $ namespace
     7. rake script allows for ENABLED=true|false
     8. rake script allows for SYSTEM=true|false

The above changes have now fixed the issue.
```

BZ#1140734

```
During OpenStack provisioning, the 'Cloud Network' field is now
available only when there is more than one available cloud
network. In cases where only one network is available,
provisioning can be completed even if 'Cloud Network' is not
populated or selected.
```

BZ#1141292

```
Previously, the /system/policy/request_denied and request_pending
instances had incorrect relationship values. Now, those instances
have same value as request_approved and other instances in this
class, and new /System/policy instances for each object type for
_denied and _pending have been added.
```

BZ#1131535

```
Statemachine method class schema have been updated to add vendor
specific methods and relationships.  Vendor specific preprovision,
postprovision and customize request methods have also been added.
```

BZ#1143046

```
During OpenStack provisioning, the selection of a tenant does not
cause other fields to filter based on that selection. The web
console has been updated to filter based on tenant or provider, as
appropriate.
```

BZ#1106924

```
When the VirtualE1000e Network Interface Card (NIC) definition was
introduced in VMWare Virtual Infrastructure Methodology (VIM) 5.0
release, Virtual Machines (VM) were not able to use the
VirtualE1000e NIC.
To fix this issue the VirtualE1000e NIC definition was added to
the VIM mapping registry.
VMs are now able to use the VirtualE1000e NIC successfully.
```

BZ#1145198

```
Missing service models caused OpenStack quota data to be
unavailable to the OpenStack provider and tenant in Automate.
Service models for OpenstackResourceQuota have been created and
the relationships between provider and tenant have been defined.
```

> OpenStack quota data is now exposed to Automate.

BZ#1124924

> A retired VM cannot have its retirement date reset. This is by
> design in order to prevent the statemachine attempting to remove
> a VM that has been unretired by a user. This bug was closed as
> NOTABUG.

BZ#1123380

> Selecting the "Choose Automatically" option on the Environment
> tab during provisioning failed to find a suitable host for the
> request even though hosts were available. The eligible_resources
> method has been fixed to correctly update options during the
> creation workflow. Provisioning now automatically selects the
> least utilized host and storage.

BZ#1106524

> The automate task and the sub-task for add_disk used the same
> task_id value in the miq_queue table. This meant the queue items
> did not execute at the same time and did not complete as quickly
> as expected. This was fixed by passing a task_id of nil to the
> queue options for the add_disk task. The automate add_disk task
> now completes in a timely fashion.

Control

BZ#1093588

> In the beta version of CloudForms Management Engine 5.3, under
> the Control tab -> Explorer -> Alerts accordion, editing any
> alert to add an email id resulted in an undefined method error.
> This error was due to the incorrect handling of the email id
> string in the backend code. This bug was fixed by correcting the
> handling of the email id string. Email ids can now be added to
> alerts as expected.

BZ#1108541

> In the previous version of CloudForms Management Engine, when
> listing the virtual machine's files, the file icon for log files
> was missing and the "image missing" message was displayed. A
> missing icon file error was also recorded in production.log file.
> This bug was fixed by adding the missing log icon file to the
> icons image directory. The correct icon is now displayed for the
> VM's log file.

BZ#1100827

> In the beta version of CloudForms Management Engine 5.3, if a
> Virtual Machine compliance policy marked a VM as non-compliant
> when a condition evaluated to true, the VM was still incorrectly

shown as compliant in the details pane. This bug was a result of a typographical error in the code that implemented policy compliance. This bug was fixed by correcting the typographical error. A VM is now correctly marked as non-compliant if a policy marks it as such.

BZ#1104814

In the beta version of CloudForms Management Engine 5.3, if a Virtual Machine compliance policy marked a VM as non-compliant when a condition evaluated to true, the VM was still incorrectly shown as compliant in the details pane. This bug was a result of a typographical error in the code that implemented policy compliance. This bug was fixed by correcting the typographical error. A VM is now correctly marked as non-compliant if a policy marks it as such.

BZ#1106456

In the beta version of CloudForms Management Engine 5.3, importing policy sets that attempted to be saved during import resulted in the error 'cannot call create unless the parent is saved'. This bug was due to an error in the code used to import files. This bug was fixed by correcting the error in the import file upload code. Users are now able to import policy sets as expected.

BZ#1097393

In a RHEVM-CFME environment where IP addresses are assigned after an appliance is created and during the first boot-up, RHEVM emits the event âNETWORK_UPDATE_VM_INTERFACEâ. The Event Handler Configuration file did not perform any special actions (eg ems refresh for source VM) for this event, resulting in the VMDB containing VM instances for newly provisioned appliances, but no IP address in the VMDB instance. Any post-provisioning activity dependent on that IP address existing in the VMDB had a high probability of failing until the next full provider refresh completed correcting the situation.

Added event network update vm interface for rhev/ovirt post functions

BZ#1093739

This enhancement adds support for OpenLDAP authentication.

BZ#1114063

During virtual machine analysis, since the scan code is unaware of the profile to use, all items such as files, registry entries, etc (depending on the VM OS) in the custom analysis profile are ignored and are not imported. Moreover, the data collected from

> the custom profile is not saved, thus the results are not shown in
> the UI. A code update enables the user to assign custom analysis
> profile to VM and the custom profile is saved. The custom analysis
> profile is now read, passed, and displayed correctly.

Insight

BZ#1117500

> Previously, navigating to Cloud -> Instances -> Lifecycle ->
> Provision Instance and choosing a Ec2 east template returned an
> error. This was because of a missing provisioning route in VM
> controller files.
>
> The problem has been fixed in four controller files and the error
> no longer appears.

BZ#1100597

> When EVM generated SQL to run a report, it did not qualify a
> column name with a table name, resulting in an ambigious column
> reference error.
> Hence, EVM was not able to run the report, and returned an
> incorrectly formed SQL error.
> To fix this issue the associations for the fields utilized in the
> report were corrected so that the table name is correctly
> inserted in the SQL query.
> User is now able to run the report without any failures.

BZ#1117972

> In a RHOSP-4 environment, when issuing a "Refresh Relationships
> and Power states" to collect instances, images etc, there was an
> error in the evm log without getting relationship information.
> This was because the server was using a flavor that is not public.
> Once access to a flavor has been restricted, no other projects
> besides the ones granted explicit access will be able to see the
> flavor, including the admin project.
>
> Code has been updated to fix the issue with private flavors not
> being visible on refresh.

BZ#1144572

> Amazon region support required overloading the hostname column,
> but this conflicted with adding support for OpenStack regions
> where a hostname was also required. A new SQL column for EMS
> provider_region has been added, and the use of hostname for Amazon
> regions removed. The region select element in the UI now displays
> "region" instead of "hostname" for Amazon regions.

BZ#1141203

Previously, 'Hosts' was erroneously displayed twice in the relationships accordion on the left hand side of the SCVMM screen. Now, one instance of 'Hosts' has been changed to 'Clusters'.

BZ#1135606

CFME sent a "suspend" request to put an OpenStack instance into a suspended state, but sent "unpause" to wake it up. This caused the OpenStack instance not to resume from the suspended state. CFME has been updated to send the correct 'resume' request for instances that are suspended. OpenStack instances can now be suspended and resumed as expected.

BZ#1120836

New Amazon EC2 instance types were causing an error in the appliance when refreshing an Amazon region with these new types deployed. The list of EC2 instance types has been updated and a region refresh works as expected.

BZ#1135069

Some Amazon instance types require a specific virtualization type, either 'hvm' or 'paravirtual'. CFME did not account for this, which caused AWS EC2 errors, for example:

AWS::EC2::Errors::InvalidParameterCombination]: Virtualization type 'hvm' is required for instances of type 't2.small' on provisioning cloud instance of type t2.small

CFME now maps from the virtualization_type in the AMI to the virtualization types listed for the instance types, so appropriate instance types are displayed in the UI.

BZ#1140698

Previously, when Openstack Neutron was configured with the NoOpFirewall handler, attempting to access the security groups returned a 404 error. Since the codebase does not handle non-successful API HTTP return codes, CFME instead attempts to ignore and log any 404 errors.

BZ#1138857

Previously, SCVMM powershell cmdlets returned a ComputerName value set to "getaddrinfo failed_x000A_" for some Linux VMs. As a result, the VM Hostname property was set to "Unavailable", and the following warning was added to the scvmm.log file: "MIQ(EmsRefresh::Parsers::Scvmm.process_computer_name) Invalid hostname value returned from SCVMM: getaddrinfo failed_x000A_". This was fixed by adding a missing /etc/hosts entry. Now, the hostname shows correctly.

BZ#1141208

Previously, in the 'Hosts and Clusters' list in the relationship tree, no hosts were displayed, despite hosts existing. This happened when no cluster node had been configured in the SCVMM screen, because no relationship was created between the hosts and the 'host folder'. Now, the property of the 'host folder' is set to clusters when clusters have been configured, and hosts when clusters have not been configured.

BZ#1129462

A wrapper for the Ceilometer service was not created when OpenStack wrapper code was added to handle tenant-specific queries. This caused OpenStack Capacity and Utilization data collection to fail on CFME. This has been fixed by allowing non-wrapped OpenStack services to pass through to the underlying service. OpenStack data collection now operates correctly.

BZ#1130275

This update fixes an issue where an RHOS4 provider would be unable to be added with no Cinder volumes. This meant that there was a 0 in all data rows in the Relationships section of the provider's detail page and an error message appeared in the evm.log. The Openstack Refresh with no volumes has now been fixed so that if no volumes are present in Cinder the "#process_collection_item" method is never called, and that method creates the entry in the "@data" object in the ems_refresh parser. This means that a provider can be added with successful relationships and no error will appear in the logs.

BZ#1141319

Tenant fields were not available in the Reporting Engine. The cloud models have been updated to include Cloud Tenants.

BZ#1135605

On the summary page, CFME incorrectly labelled suspended OpenStack instance power states temporarily as "suspended" then, after a refresh, as "off". CFME has been updated to use VM raw_power_state. The power state for OpenStack instances now displays correctly in the UI.

BZ#1099215

When adding a RHEV provider (3.3) to CFME 5.2.3, the scan did not surpass 100 hosts.

RHEV-M Hosts and StorageDomain Collections are obtained via pagination. This allows Red Hat CloudForms to inventory larger than default (100) number of hosts and storage domains from RHEV-

M.

Changing the default page size (to higher than 100) in the engine is a workaround until the code supports pagination.

BZ#1108331

Support for custom attributes for services has been added to the new version of CloudForms Management Engine. These attributes may be used for storing meta-data about services. Automation can now use the "custom_keys", "custom_set", and "custom_get" methods to manipulate the custom attributes on a service. Custom services attributes are also visible on the service details page.

SmartProxy

BZ#1143939

Previously, a typo in the assert_privileges call meant that users were experiencing authorization issues when attempting to edit smartproxies. This typo has been corrected and users can now edit smartproxies as expected.

BZ#1038378

Starting a stopped virtual machine failed due to an error reading XML configuration files. Nokogiri is now used to load XML configuration files and convert them to UTF-8 so Rexml can process them. Starting a stopped virtual machine now completes successfully.

BZ#1038394

Host refresh did not work on a VM started through the hyperv console as resolution of the hostname was causing inventory collection to fail. The hostname resolution has been fixed, and VMs can now be refreshed.

To Be Determined

BZ#1054866

If an RHSM subscription for OpenShift included the cf-me-5.2-for-rhel-6-rpms channel, its ruby193-rubygem-nokogiri package tried to obsolete OpenShift's ruby-nokogiri package, resulting in dependency issues when installing OpenShift cartridges. An unnecessary Obsoletes entry has been removed, and the packages no longer conflict.

BZ#1121162

A missing association when building a report based on Zones caused the following error: ERROR -- :

```
[ActiveRecord::ConfigurationError]: Association named
'vms_and_templates' was not found; perhaps you misspelled it?
Method:[rescue in _async_generate_table].  The virtual
associations for Zones have now been added to Host and
VmOrTemplate, and reports based on Zones build as expected.
```

vulnerability

BZ#1077359

It was found that Red Hat CloudForms exposed default routes that were reachable via HTTP(S) requests. An authenticated user could use this flaw to access potentially sensitive controllers and actions that would allow for privilege escalation.

BZ#1092894

It was found that Red Hat CloudForms contained an insecure send method that accepted user-supplied arguments. An authenticated user could use this flaw to modify the program flow in a way that could result in privilege escalation.

WebUI

BZ#1093178

On template summary screen, the analysis history value is clickable, but upon clicking throwed an error: "Error caught: [NoMethodError] undefined method 'id' for nil:NilClass".

Fixed calls to identify_record to pass in db as VmOrTemplate, default db being used was "self.class.model" which was VmInfra and was incorrect when user is on a template summary screen. This has now fixed the issue and there is no error reported.

BZ#1133103

In the older version of Cloud Forms Management Engine, when a checkbox field was marked as required in the service dialog editor, the required attribute would not persist after exiting from the editor. This was fixed by changing the service dialog editor code to ensure that the required attribute would be saved to the database. Additional fixes were made to ensure that the backend code handled the checkbox state correctly depending on whether the checkbox was clicked or not in the User Interface.

BZ#1142875

Previously, adding a Control Policy would fail with exception due a flaw in the paging_controls_url method. This has now been removed and two new methods have been added for adding and updating URL query string parameters so that adding a Control Policy works as expected.

BZ#1129289

An undefined method error occurred when attempting to assign
chargeback rates due to a chargeback rate table being assigned to
a tag that had been subsequently deleted. The code has been
updated to set current tag assignments to blank when a tag or
category has been deleted from the table and rates can be
correctly assigned.

BZ#1122253

The Smart Management Tag window was missing from the Security
Groups Summary page.
Code has been updated and the Smart Management Tag window has
been added to the Security Group Summary page and the issue is
now resolved.

BZ#1101820

The function handling, sorting, and moving of element values did
not receive correct parameters from it's caller.
Hence, when a user created a service dialog with an element that
sorted the input by "None" and attempted to position element
values in a certain order, he got the error "No fields were
selected to move 'up'". The user was unable to move element
values to the desired position.
A number of changes were made to fix the issues with sorting and
moving of drop down list field element values.
The user is now able to position element values as desired.

BZ#1123144

Navigating to host Drift History caused an unexpected error in
the UI.

Code was updated to reset @display when viewing drift history
screen to fix an issue where @display was still being set to
vms/storages etc after clicking on links to relationships from
host summary screen, and then clicking on Drift History link from
listnav on left side it was trying to render incorrect partial
due to @display being set incorrectly. Drift History link from
right side of the summary screen however was working fine because
going to summary screen resets @display back to "main".
Additionally added code to set session[:compare_db] to get
drift_history link in listnav to send up correct compare_db when
it was clicked right after clicking a link to view list of VMS or
list of other items through relationships.
The above changes have now fixed the issue and there is no error
reported when viewing drift history.

BZ#1123195

Selecting group by in capacity and utilization of hosts threw an
unexpected error: âundefined method 'report_results' for

nil:NilClass [host/perf_chart_chooser] displayed in Ui.â

The code that was setting 'interval' local variable has been
deleted as it was not being used in the method and was causing a
crash when changing a value in "Group By" on Host C&U screen when
there is no C&U data available for the chosen group. This has now
fixed the issue and there is no error reported.

BZ#1122039

Previously, an instance could not be terminated by marking it's
quadicon and selecting the "Terminate" power option when accessed
through a cloud provider. This meant that the "Terminate
initiated" message would not display, and the instance was not
terminated.

Now, the button methods have been updated to handle the Terminate
instance button. As a result, the "Terminate initiated" message
displays, and the instance is properly terminated.

BZ#1121772

Previously, left-clicking a data point on host C&U graphs resulted
in an "Action not implemented [host/show]" error.

Now, a route has been added to the chart menu links, and this
problem no longer occurs.

BZ#1138858

When attempting to provision a VM on SCVMM, user is able to
select a template and then receives an error "uninitialized
constant MiqProvisionMicrosoftWorkflow [vm_infra/pre_prov]"

Disabled provisioning button for SCVMM. Added code around Publish
button to be disabled for SCVMM on VM summary screen and also code
around Publish button on list view to display a flash message
"Publish does not apply to VM Template" when SCVMM VM is selected
from a list view.

BZ#1140655

In the user interface, when navigating to clouds -> providers and
selecting a cloud provider, the ActionController returned a
routing error. This bug fix adds in the missing icon for routing
and the error no longer returns.

BZ#1138838

Previously, on the cloud tenant provider summary page, after
editing relationship options, changes were not reflected. This bug
fix adds support for buttons in the cloud tenant controller so
changes do take effect.

BZ#1132320

This update fixes an issue where "uninitialized constant HostVmwareEsx::SOAP" is displayed as the error for Web Services validation when editing a Host. When going to Infrastructure then Hosts and editing a host to add invalid credentials for Web Services a confusing error message is displayed. The SOAP::Error has been removed from exception filtering since soap4r is no longer used. This means this error message will no longer be displayed.

BZ#1091554

A user with VM and Template Access Restrictions other than âNoneâ, when clicks on a particular catalog item that were able to view under Services/Catalogs/Catalog Items, causes the browser to freeze (spinning) forever.

If a user has access restrictions on Catalog Items, to prevent the items from being displayed and accessed, rbac_filtered_objects checks were added around ServiceTemplate nodes in the trees in Catalogs Explorer, and also on the right side of the screen which has fixed the issue.

BZ#1126364

A new user assigned the User role received an error message when attempting to provision a cloud instance or vm: "The user is not authorized for this task or item". Access to view the Request list and copy/delete has been added to the User role. In addition, a user will now be redirected back to the page where they initiated a Provisioning request if they don't have access to view the list of Requests to prevent errors in the UI.

BZ#1138469

When switching view types between grid, tile, and list views, routing errors returned. This bug fix adds code to retain existing URL parameters across different view types so the routing error no longer returns.

BZ#1099484

A code problem caused a "Current_group is not included in the list" error when attempting to create a new user using EvmGroup-user for the group name. The code has been updated to save user.miq_groups instead of user.current_group in controller code when adding/saving a user record.

BZ#1138366

Downloading a Timelines report in PDF format results in the following error: undefined method 'report' for nil:NilClass [dashboard/render_pdf]. This bug fix updates the

application_controller.rb file so reports can now be downloaded
in PDF format without errors.

BZ#1092716

When an OpenStack instance has multiple security groups assigned,
the Red Hat CloudForms web UI for that instance detail only has
reference to one of the security groups the instance is assigned
to. The security groups themselves seem to display this
relationship accurately in that all VMs that have a security
group assigned are seen, but not from the instance detail.

Fixed link to Security Groups to show the list of security groups.
Thereby, the Red Hat CloudForms webUI now displays all the
security groups on the instance summary page, so the issue is
fixed.

BZ#1099389

In the beta version of CloudForms Management Engine 5.3, the
"Starting Time (UTC)" field on the "Add a new schedule page" was
covered by the Add and Cancel button bar and was not accessible.
This was due to incorrect form layout of the schedule page. This
bug was fixed by correcting the formatting errors on the schedule
page. The schedule page now displays all the form elements
correctly.

BZ#1099341

In Configuration > Setting > Schedules, unable to create schedule
for action "Database Backup", resulting in an error displayed on
UI: undefined method 'display_name' for nil:NilClass
[ops/schedule_form_field_changed]

Fix implemented to create schedule for action database backup and
the issue has now been resolved.

BZ#1120096

Previously, the web based VMRC console was having issues with
different browsers. As a result, the VMRC console button was
disabled in Google Chrome, and both Firefox and Internet Explorer
were displaying a "Action not implemented" error.

Now, the VMRC connectivity issues have been fixed by adding a
missing route, and the VMRC screen launches as expected.

BZ#1128873

A typo in the admin role features list code resulted in the
evmgroup-administrator role not having access to the Automate
Customization page. The typo has been corrected, and the role now
has appropriate access.

BZ#1103341

> In the previous version of CloudForms Management Engine, the user
> had to press and hold the mouse button when selecting a listed
> group to change their role. This made changing roles needlessly
> difficult. This was due to a bug in the Java script code that
> handled role selection. It was fixed by correcting the Java script
> code. The user is now able to select a role without having to
> press and hold the mouse button.

BZ#1128894

> Reloading requests in Services/Requests threw a rails exception
> appears: undefined method 'sub_table' for nil:NilClass
> [miq_request/button]. The rendering issue while reloading a
> Request has now been fixed. Rendering would be based on @display
> type - "main" or "miq_provisions". This has now fixed the issue
> and no error is reported.

BZ#1118902

> The UI was inaccessible within minutes after adding a RHOS
> provider to the CFME appliance.
>
> Ensuring the PID file exists within the watchdog_spec.rb and
> watchdog.rb files means that the UI is now still accessible after
> adding a RHOS provider.

BZ#1117431

> On the timelines page, when selecting the daily interval option,
> the event balloon did not pop up. This bug fix added miq_timeline
> to the UI css file so the daily interval option works without
> errors.

BZ#1115717

> Self service users are able to order catalog items only if they
> clicked "Order" versus clicking on the item and then clicking
> "Order". This was attributed to the issue where logged in user
> didn't have access to :sandt_tree.
>
> Fixed code to pass in correct tree name to x_build_node_id method
> which has fixed the issue and self service users can now order a
> service without viewing catalog items.

BZ#1140648

> Previously, the SCVMM host icon does not match the provider icon
> and is incorrect. This bug fix updates the SCVMM host icon to use
> the standard Microsoft logo so standard corporate logos are used
> for both RHEV and VMware within Red Hat CloudForms.

BZ#1144071

Previously, selecting 'Graphical View' for a SmartProxy did nothing due to a routing error. The routing for this has been added and Graphical View for SmartProxies works as expected.

BZ#1145296

When adjusting column widths of the displayed table for a list of requests, a routing error returns. This bug fix updates ActionController with save_col_widths so that the routing error no longer returns.

BZ#1129495

This update fixes an issue with editing a previously created Catalog Item for VMware using the provision type of PXE due to a missing route. This caused errors when trying to edit a Catalog Item for VMware when using the provision type of PXE. A route has been added for sorting PXE grids. This means that Catalog Items for VMware when using the provision type of PXE can now be edited.

BZ#1129802

Need to copy Automate class/instance/method elements in the same domain with a new name.

Code was updated to add support to be able to copy a single automate Class/Instance/Method with a new name under same domain. Made model changes to copy methods to call appropriate method when copying objects. Also, added new name text field on copy form that is only displayed when a single object is selected to copy and under a same domain. And, added a read only field "From Domain" to show users which domain they are copying object from. Changed label "Domain" on Domain pull-down to "to Domain".

BZ#1113062

Clicking on download links in Optimize > Utilization results in a blank page. [NoMethodError] undefined method '[]' for nil:NilClass" in production log
This was because the code was only handling enable/disable of download buttons when switching tabs. Buttons were not getting enabled/disabled based upon result data when user sent up tree_select transaction while user was on Reports tab.

Code has been changed to enable/disable Download buttons on Reports tab in Utilization explorer which has fixed the problem.

BZ#1111746

When resizing a column width in the list view, an routing error returned. This bug fix adds routing for 'save_col_widths' in the FlavorController and also checked in all other controllers so that this routing error is no longer returned.

BZ#1110971

> Clicking on a service for a catalog item and setting ownership
> under configuration menu throws an error: undefined method id for
> nil:NilClass [service/x_button]
>
> Unnecessary code was deleted where @record.id was being passed to
> locals while setting ownership on a service which has fixed the
> issue and no error is thrown.

BZ#1098998

> In the previous version of CloudForms Management Engine,
> comparing virtual machines from the data stores summary page
> resulted in an action not implemented error displayed in the user
> interface. This bug was due to missing routing information for the
> compare button. The missing route information was added to the
> comparison code to fix this bug. It is now possible to compare VMs
> as expected from the database summary page.

BZ#1098497

> IE8 LDAP group switching led to 403 forbidden error in Win7/IE8.
> IE8 403 forbidden errors have now been fixed such as logging in
> (dried), changing LDAP groups and adding, removing, resetting
> dashboard widgets. There is no more redirect to 403 forbidden
> page on group switching, thus the issue has been fixed.

BZ#1110964

> In Infrastructure > Virtual Machines, clicking on timeline after
> selecting a tempate with timeline enabled threw an undefined
> method 'first_and_last_event' for nil:NilClass
> [vm_infra/tl_chooser] because find for VmInfra record was breaking
> MiqTemplate record.
>
> Added a new method controller_to_model that can be used to pass
> in model to identify_record call which has fixed the issue and no
> error is displayed when clicked on template timeline.

BZ#1135044

> After a copy of a certain built-in CFME Class from the ManageIQ
> domain into a custom domain, certain characters were replaced
> with html safe versions causing exceptions during StateMachine
> running. This was being caused by the haml-4.0.3 gem altering the
> passed in parameters when escaping the text_field_tag value. Code
> was updated in a way that escape_once works on frozen strings,
> that way it works the same way as #html_escape. This has now fixed
> the issue.

BZ#1134053

When provisioning a virtual machine, action changes were not reflected. This bug fix updates vm_infra controller with sort_iso_img_grid so that the routing error no longer returns.

BZ#1133708

When making web services calls, it is difficult to locate GUIDs because they were not present on the Service Summary page. This bug fix updates the textual_summary.rb file so that GUIDs are presented on the Service Summary page.

BZ#1110244

When the user navigated to Cloud Intelligence -> Reports -> Import/Export then clicked on the Export button without first selecting a report to view, they received an error. This was because the Export button was available to the user before they chose a report.

Now, the export button is disabled and unavailable to the user, but becomes available once they select a report from the "Available Reports" list.

BZ#1131566

This update fixes an issue where clicking on nodes in the VM Genealogy Tree causes a routing error. Routes have now been added to allow clicking on nodes in the VM Genealogy Tree. This means that the information for the node in the VM Genealogy Tree can now be viewed.

BZ#1098112

In the beta version of Cloud Forms Management Engine 5.3, it was not possible to modify the paginator value when listing virtual machines through their relationships with other objects. This was because the paginator did not handle list value updates in these views. This bug was fixed by enabling the handler for per-page setting and sorting of records in relationship views. The paginator now works as expected in relationship views.

BZ#1133660

Previously, when users tried to navigate to the EVM group under CloudIntelligence/Reports/EditReportMenus/AllEvmGroups/, an undefined local variable or method 'nodeid' error returned. This bug fix updates the report_controller.rb file and the navigation can now be made successfully.

BZ#1146265

In the beta version of CloudForms Management Engine UI, when users clicked on Amazon instances under Cloud -> Instances, they got an

undefined method error message. This issue was fixed by fixing the link to a 'Cloud Tenant' from the instance summary screen. Additionally, a check was added to fix undefined_method 'cloud_tenant ' error for an Amazon instance. In the latest version users can successfully view Amazon instance summary screen.

BZ#1131696

In the older version of Cloud Forms Management Engine, when using Selected Infrastructure Providers as assignment, clicking the save button reset the assignment user interface leading the customer to believe that the rates have not been assigned. This issue is fixed in the latest version. Now the values are assigned correctly.

BZ#1097692

In the beta version of CloudForms Management Engine 5.3, if the administrator attempted to create a catalog under the services menu, it resulted in a fatal error stating that the user was not authorized for the task. This was because the role based access control rule to permit the administrator to create the catalog was missing. This bug was fixed by adding the missing role based access control rule. The administrator is now able to create catalogs as expected.

BZ#1094451

In the beta version of CloudForms Management Engine 5.3, adding a Red Hat Open Stack provider failed with an undefined method error message. This error was a result of incorrect handling of the value provided for the port number field. This bug was fixed by correcting the code to handle the port number value correctly. The user is now able to add a Red Hat OpenStack provider as expected.

BZ#1147081

In the beta version of CloudForms Management Engine 5.3, if a user had restricted access to Automate and its sub menu options using role based access control, the user would get a blank page when accessing the Simulation sub menu. Additionally, an error was logged to the production log that the user was not authorized for the task or item. This error was due to an incorrect parameter being passed to the method used to assert priveleges. This bug was fixed by passing in the correct parameter ot the assert priveleges method. The restricted access user is now able to access the simulation sub menu as expected.

BZ#1094511

In Customization, adding a new dialog with dynamic drop down list field, and in Service > Catalogs, adding a generic service and order, threw the following error after refresh.

Dynamic dropdown list error: undefined method
ârefresh_button_pressedâ for <DialogFieldTextBox:0x0000000a830428>
[catalog/dynamic_list_refresh]

Code has been updated and the problem is now fixed.

BZ#1132556

Editing an existing service catalog item returns the following
error: Action not implemented [catalog/x_button]. This bug fix
updates the miq_request_workflow.rb file so service catalog items
can be edited as normal.

BZ#1138837

Previously, when adding a new domain, the UI displays 'Adding a
new Automate Namespace' and was incorrect. This bug fix updates
the UI with the correct text and now displays 'Adding a new
Automate Domain'.

BZ#1095830

In the beta version of CloudForms Management Engine 5.3, when
examining a virtual machine's properties, the accordion
containing the virtual machine name was incorrectly formatted and
looked like a tab. This bug was fixed by correcting the formatting
of the accordion class. The virtual machine name accordion is now
formatted correctly.

BZ#1132331

When editing registration details and entering Red Hat account
information, the following error returned: Credential validation
returned: stack level too deep. This bug fix removes the mixing
enumerable into string so that successful validation is returned.

BZ#1108320

There was a naming mismatch for the product option Settings and
Operation. Label changed from "Settings and Operations" to
"Configure" to match the UI tab and the issue has been fixed.

BZ#1096388

In Automate -> Customization -> Provisioning Dialogs accordion,
attempting to sort a folder selection that contains provisioning
dialogs by name or description does not work and results in a 500
error in log.

Fixed DoubleRender error when user try to sort list of
provisioning dialogs, which has now resolved the issue.

BZ#1132042

> In the older version of Cloud Forms Management Engine, an incomplete icon is displayed when connecting to a newly added RHEVM provider. This was fixed by adding the missing connecting state icons. The correct connecting state icon is displayed now.

BZ#1146236

> When selecting 'Performance - VMs' in the 'Base the report on' field, tag fields were not available. This bug fix updates the WebUI and includes tag fields for virtual machines.

BZ#1133052

> In the older version of Cloud Forms Management Engine, service tags were not available to be selected as fields to be included in service reports. This was fixed by adding the service tags to the tag class. Service tag fields are now available in service reports.

BZ#1097876

> In the beta version of CloudForms Management Engine 5.3, when running a simulation under Automate, the type pull down field would use a value from the earlier run if "None" was selected for the current run, resulting in an undefined method error. This was fixed by correcting the code to reset the target id when "None" was selected in the Type pull down field. The simulation now runs as expected without any errors.

BZ#1145840

> A new feature Cloud tenant was added in the Instance view Relationship in CloudForms Management Engine. This was done because, in the beta version of CFME, when a user selected an instance from Cloud/Instances and scrolled down to the relationships section of the insight data, he found that the selected tenant relationship was missing.
> This new feature enables users to be able to view an instance and understand which tenant it is provisioned into.

BZ#1094300

> In the beta version of CloudForms Management Engine 5.3, the reports accordion showed the null string when a report was queued to be run, and a No Class found error was reported for the explorer tree node. This error was a result of adding the Generating Report tree node with the wrong options. This bug was fixed by providing the correct options when adding the Generating Report tree node. The generating report message is now displayed correctly when a report is queued to be run.

BZ#1110171

When adding multiple dashboards, the first one of them is not displayed in the selector on dashboard. Creating only one dashboard, selector is not displayed, but logout/login was the only option to fix the problem.

In DashboardController: Added condition to display all new dashboards which has now fixed the problem.

BZ#1098203

In the beta version of CloudForms Management Engine 5.3, all links under the datastore content accordion contained the text "Datastore None" instead of text describing the link. This bug was fixed by correcting the link text when the link was both active and inactive. The UI now shows the correct link text under the datastore content accordion.

BZ#1110544

In Infrastructure PXE, adding a new customization template failed to save the template text, although the template is saved.

Updated code which has now fixed the problem.

BZ#1112574

Clicking on the Intelligence/Reports button after deleting the last of the reports caused the contents of the page to disappear, except for the top menu, due to a problem with the page rendering.

The error was fixed by setting the active node to be "root" whenever a non-existent custom report node was made as a result of deleting a custom report. The page now renders as expected.

BZ#1098429

In the beta version of CloudForms Management Engine 5.3, clicking on the Navigation links in the Cloud Intelligence Reports menu item resulted in a no route matches fatal error for the progress indicator image in the production log. This was due to missing information for the progress indicator image. The error was fixed by adding the missing information for the progress indicator. With the fix, the error is no longer seen in the log.

BZ#1093735

In the beta version of CloudForms Management Engine 5.3, attempting to create a virtual machine snapshot without providing a name for the snapshot resulted in an undefined local variable or method error. This was because the form input was not validated by the web user interface. This bug was fixed by validating input in the web user interface. The web user interface now gracefully handles invalid input when creating snapshots.

BZ#1113077

In Infrastructure > Requests, unchecking all the approval states
and clicking on reload resulted in an undefined method 'keys' for
nil:NilClass [miq_request/button] in the UI.

Fixed reload button on request page and an appropriate flash
message is displayed.

BZ#1130664

This update fixes an issue where the Show Cloud Provider Quadrants
is not checked by default in Settings. Show Infrastructure
Provider Quadrants is already checked by default and Show Cloud
Provider Quadrants should also be checked by default. A default
setting was added for Cloud Provider Quadrants. This means that
Cloud Provider Quadrants will now be checked by default.

BZ#1113462

On the RHEV platform, when a workload was rebooting, the UI
showed a blank power-state icon for the workload.

The image was restored, and the correct image is now displayed
during a reboot.

BZ#1144540

Users restricted only to Automate->Explorer visibility were
receiving an "Authentication Failed" message and could not see
the "Automate->Explorer" page.

The b/vmdb/db/fixtures/miq_shortcuts.yml file has been updated
with a new entry that allows users with Automate->Explorer
visibility to see the page upon logging in.

BZ#1130251

There was an undefined method 'to_sym' for nil:NilClass
[vm/show_list] error during cross hair operations on C&U graphs.

Code was updated to include new paging_controls_url helper to
handle extra URL parameters. This has fixed the issue and there is
no error reported.

BZ#1130250

There was an error when attempting to change the items/page value
on the VM list view: undefined method '[]' for nil:NilClass
[host/show_list]

Added VM/show_list post route for VM list paging controls. This
has fixed the issue and now there is no error reported.

BZ#1141375

Previously, when a user clicked on 'Snapshots' in the properties section for a virtual machine in the SCVMM screen, the option to add another snapshot was disabled. The correct behavior is that all snapshot functionality should appear as disabled, as snapshot creation is not yet supported for SCVMM virtual machines. As such, all of the snapshot manipulation buttons have now been disabled for SCVMM virtual machines.

BZ#1128934

This update fixes an issue with not specifying a type when adding a storage manager. This meant that the storage manager had a rails exception when an appliance was setup for a storage manager without specifying a type. The storage manager type was changed so a blank value could be checked. This means that a storage manager can now be added without a type.

BZ#1128923

The 'Save' button in the 'Adding a new Customization Template' has been replaced by the 'Add' button.

BZ#1114744

In Automate -> Customization -> Provisioning Dialogs accordion, selecting a folder that contains provisioning dialogs, sorting by name or description results in the dialogs being sorted, but the UI footer bar always displays "Sorted by Name".

Updated table footer in the Provisioning Dialog screen: Table footer 'Sort by' is updated when the user wants to sort a table column which has now fixed the problem.

BZ#1062382

Previously, the Request Table column names don't match up with the Request Detail page. This bug fix updates the _request.html.erb file so that all fields match up.

BZ#1136445

Previously, when a user selected a service in the 'My Service' window, an 'undefined method' error was returned. This happened in cases where the back end was determining whether to hide the 'Reconfigure' button for services created through automation without an associated service template. Also, the 'Service' dialog lists and radio buttons showed keys instead of human-readable values. Now, these issues have been corrected.

BZ#1099136

In the previous version of CloudForms Management Engine, editing tags for a virtual machine or template under the Services -> Workload menu item resulted in an error that the user was not authorized for the task. This bug occured in the function that asserted user privileges, as the correct product feature id was not passed to the function. This bug was fixed by adding a method to pass the correct product feature id to the function that asserted privileges. Users are now able to edit tags as expected.

BZ#1127093

Previously, attempting to create a user without defining a group returned an 'unexpected exception' error. Now, the same action returns the following explanatory error: "A User must be assigned to a Group".

BZ#1106335

In the beta version of CloudForms Management Engine 5.3, the Configure -> About screen did not detect Google Chrome browsers correctly. This was due to missing browser version information in the code that detected the browser. This bug was fixed by adding in the missing browser version information. The About screen now detects Google Chrome browsers correctly.

BZ#1127009

Previously, the 'Utilization' button on the 'Instances' page was enabled for cloud instances even when no Capacity and Utilization data was available. This caused the 'Instances' page to display a loading icon indefinitely. Now, the 'Utilization' button is disabled for an instance if C&U data is not collected.

BZ#1138378

Previously, clicking on 'Services' in the upper menu from the 'Infrastructure/Requests' page directed users back to the 'Infrastructure/Requests' page, rather than the 'Services' page. Now the two types of URL are handled separately, and the user is no longer redirected to the incorrect page.

BZ#1138392

Previously, there was an error in the color setting for reporting. As a result, the Yellow Background option in the Styling tab did not work correctly; a yellow background did not appear in the preview or in the report. To fix this, the "background-image: none;" parameter was removed from the color setting code. Now, a yellow background will successfully appear in reports when selected.

BZ#1138396

Previously, the main pane and the menu pane had different code for their icon images. This caused the paused and running icons to appear differently in each pane. To fix this, the code was updated to set the same images in both panes. Now all icons are identical in each pane.

BZ#1138397

Previously, when creating a Catalog Item, after entering Name/Description, Catalog, Dialog, Provisioning Entry Point and clicking Save, the user interface returned an unexpected error. This happened in cases where no virtual machine template was found. Now, a check has been added for the existence of the request object, and a more meaningful error message is displayed when a template is missing.

BZ#1138398

Previously, navigating to the 'OS information', 'VMM information' and 'Devices' pages in the properties section for a host showed users a hand pointer, which erroneously suggested that those pages contain interactive links. Now, a 'no-hover' class has been added to these pages, and the correct pointer type displays.

BZ#1138427

Previously, a routing issue caused attempts to edit the tags of a repository to produce the following error: "Action not implemented [repository/button]". Now, the missing route has been added, and tags can be successfully edited.

BZ#1126386

This update fixes an issue where a hand pointer appeared on orphaned data pages when there were no clickable links. A no-hover class has been added to the records table so that the hand pointer no longer appears when there are no clickable links.

BZ#1126363

Logging in as a new user with assigned user role, in Cloud Intelligence > Reports, attempting to download the report(csv/txt or pdf) format results in an error being displayed on the UI: The user is not authorized for this task or item.

Moved hidden features for Report download buttons under View section. If a user can view a report they should be able to download a report. Hidden report download features were under Modify section, if user didn't have access to modify/add reports they were getting User not authorized for this task message when trying to download a report. Also, fixed a typo in feature name text.
The issue has now been resolved.

BZ#1099808

> In the beta version of CloudForms Management Engine 5.3, the
> button to add a new customization template under the PXE main
> menu item was called "Save" instead of "Add". This bug was fixed
> by displaying the correct set of buttons while adding a new
> customization template. The correct buttons are now seen when
> adding a new PXE customization template.

BZ#1143342

> The 'Assign Button' label in the Catalogs window has been
> replaced by the 'Assign Items' label.

BZ#1100355

> The selection box does not expand correctly and is too small to
> see what's going on without scrolling from left to right for each
> selection.
>
> The selection box formatting has been fixed and it now possible to
> see the selection properly without scrollbars.

BZ#1124609

> In Optimize > Utilization, selecting any cluster or host under
> any infra provider or selecting any datastore, on the Utilization
> trend summary page > Details tab, C&U graphs for Cluster, Host and
> Datastores overlap with the following message: * Information shown
> is based on available trend data from xx/yy/14 to xx/yz/14 in the
> UTC time zone.
>
> Replaced chart fieldsets with divs; also added HRs where needed
> and the issue has now been resolved.

BZ#1138859

> The class inherit field is not being used currently and should be
> removed from the UI screen
>
> Removed Inherits from field from Add/Edit class screen.

BZ#1091059

> When selecting to register a CFME appliance to a satellite server
> the default channel provided is incorrect. Channel provided is
> cf-me-5.2-for-rhel-6-rpms which is the default channel name for
> RHSM. When customers create a satellite server certificate the
> default name provided by Red Hat is rhel-x86_64-server-6-cf-me-3.
>
> Fixed enablement of Save/Reset button on RHN Updates tab.
> Changed haml view to pass in id on default buttons and some of the
> fields that were missing that. id is used to load @edit from
> session using load_edit method. Also, changed edit_rhn method to

> save initial data in @edit[:current] so it can be used to
> determine whether to enable/disable save/reset buttons on screen.
> And, code was removed from "reset_repo_name_from_default" method
> that was setting values directly into session[:edit] hash; changed
> it to return the default repo name. This has fixed the issue and
> the default channel for satellite is now correct.

BZ#1118400

> When navigating to Intelligence -> Chargebacks -> Assignments and
> selecting Storage or Compute the left-hand accordion menu becomes
> grey so it cannot be clicked. Clicking on any other accordion
> menu did not make them accessible. Also, clicking on the save
> button did not make the menu accessible.
>
> As there is no cancel button on the Assignments accordion, there
> was no need to lock this screen. So the lock was removed. The menu
> is no longer grey, and other menus are accessible.

BZ#1142257

> Previously, Capacity and Utilization tables included an incorrect
> fieldset that presented a non-interactive element with all the
> visual appearances of an interactive element. Now, the erroneous
> fieldset has been removed from these tables and the elements are
> no longer misrepresented to users.

BZ#1104338

> CFME UI failed to validate LDAP configuration when the bind
> password provided contained special characters, without any
> success or failure indication.
>
> Code fixed to allow longer bind password for LDAP which has now
> resolved the issue.

BZ#1101250

> In the previous version of CloudForms Management Engine, editing
> an existing report under the Intelligence menu was not possible as
> the Save button was disabled. This was due to missing
> functionality in the Java script code used in the edit report
> screen. This bug was fixed by adding the missing functionality.
> Reports can now be edited correctly as expected.

BZ#1101852

> In the beta version of CloudForms Management Engine 5.3, clicking
> on the refresh button in the configuration diagnostic page
> resulted in an error stating that the user was not authorized for
> the task or item. This was due to a missing product feature
> property for the refresh button. This issue was fixed by adding
> the hidden product feature property for the refresh button. The
> refresh button for the diagnostic page now works as expected.

BZ#1121257

> Previously, the "Container" page for instances and VMs was
> incorrectly displaying the hand pointer, even though the page had
> no clickable links. Now, this problem is fixed. As a result, the
> hand pointer has been removed.

BZ#1103105

> In the previous version of CloudForms Management Engine, the
> accordion selector in the "Compare VM or Template" page had
> improper and overlapping dynatree alignment. This was because the
> comparison sections drift screen did not use a fixed width. This
> bug was fixed by correcting the comparison sections drift screen
> to use a fixed width. The accordion selector on the "Compare VM
> or Template" page now has the correct alignment.

BZ#1141180

> Previously, it was not possible to see in the user interface which
> snapshots were active for a virtual machine. Now the 'current'
> property of the snapshot is correctly set, and active snapshots
> are identified in the UI.

BZ#1121249

> Previously, there were multiple pages that were incorrectly
> displaying the arrow pointer instead of a hand pointer. Now,
> after aligning hash rockets and adjusting formatting, this problem
> is fixed. As a result, the correct cursor hand pointer now
> displays, along with alternating row colors in List View.

BZ#1102590

> In the beta version of CloudForms Management Engine 5.3, the
> checkbox to select a policy profile for a Virtual Machine on the
> VM policy assignment page was missing. This was due to an error in
> the cascading style sheet for the VM policy assignment page. This
> bug was fixed by correcting the cascading style sheet error. The
> checkboxes for selecting a VM policy assignment are now displayed
> correctly.

BZ#1141812

> In Automate > Explorer, and on the accordion, in Infrastructure >
> VM > Provisioning > Placement class, in an attempt to click on
> properties and schema page, both pages have hand pointer with no
> clickable links.
>
> Added missing no-hover class to schema and properties pages. Also,
> aligned hash rockets, adjusted formatting. With these changes, the
> problem has now been fixed.

BZ#1119487

In Infrastructure > Virtual Machines, editing a VM or a Cloud instance threw an unexpected error.

Fixed the breadcrumb link when navigating back to the VM Summary page. This has solved the issue and now there is no unexpected error encountered.

BZ#1141353

Previously, when viewing the list of images on a RHEL OpenStack Platform provider, it was not possible to perform multiple scans at once. Instead, users had to initiate one scan at a time. Now, a new button has been added to the 'Images' toolbar to scan multiple images.

BZ#1129469

In Storage Managers > Add New Storage Manager, the Validate button kept switching its position coordinates as fields were entered/deleted on the form. Changed validate button alignment which has now fixed the issue.

BZ#1095854

In the previous version of CloudForms Management Engine, while adding or editing a provider, the Validate button unexpectedly became bold and grew in size after the form was completed. This user interface issue was fixed by ensuring that the Validate button did not grow in size in the new version of CloudForms Management Engine.

BZ#1114706

Incorrect hover text is shown for 'Datastores' in the Relationships section on VM summary page when in fact it should be "Show this VM's Datastores"

Code has been updated to show the correct hover text and the problem has now been fixed.

BZ#1098189

In the beta version of CloudForms Management Engine 5.3, when the browser interface was loaded in Internet Explorer 8, the background image at the bottom of the page did not cover the entire page width at some screen resolutions. This bug was fixed by adding a new background image having the correct dimensions. The background image now covers the entire page width at all screen resolutions.

BZ#1101222

In the previous version of CloudForms Management Engine, when

exporting reports under the intelligence main menu item, if the
user clicked on the Export button without selecting any reports,
the appliance exported the list of reports that were exported in
a previous export. This bug was fixed by disabling the export
button until a report was selected. Exporting reports now works as
expected.

BZ#1116704

From Cloud Intelligence > Reports > Import/Export, uploading an
empty yaml file threw an error: undefined method 'collect' for
false:FalseClass displayed in UI.

A flash error message has been added when an empty yaml is being
imported which has fixed the issue.

BZ#1114760

Unexpected error was encountered while downloading resource pool
report.
Error text "undefined method 'paged_view_search' for nil:NilClass
[ems_cluster/download_data]"

Fixed the resource pool report download issue as the
session[:view] value is to be stored in the instance variable -
@view. This has now fixed the problem and there is no error
reported.

BZ#1123494

When accessing the Web UI of a Red Hat CloudForms 5.2.4 with
Internet Explorer 8.0.6001.18702, resulted in "403 Permission
Denied" errors when clicking on some buttons. This happened even
though when logged in to the Web UI, being able to access other
pages in it. This behavior was observed while on the grid view of
the following pages under "Infrastructure" and clicking the Tile
View button.
- Providers
- Resource Pools
- Repositories
The error was also reported when switching from the List View to
Grid View.

A whitelist has been created of all known 403 Forbidden errors
occurring in IE8 that are caused by IE8 not passing the referer
on redirects. The issue has now been resolved.

BZ#1108087

In the beta version of CloudForms Management Engine 5.3, editing
the log collection diagnostic configuration settings resulted in a
no route matches error. This bug was caused by missing route
information for the Type select box. This bug was fixed by adding
in the missing route configuration for the Type select box. The
user is now able to configure the log type as expected.

BZ#1124936

> When the user received emailed reports the body of the email was
> showing

. This was being set in
> app/models/miq_report/notification.rb
>
> Code was updated to remove the html tags <br/> that show up in
> the emailed report and the problem is now fixed.

BZ#1131638

> In the previous version of CloudForms Management Engine user
> interface, the tab Report Selection had 2 drop downs in one row.
> This has been fixed in the latest user interface. Now the drop
> downs appear in different rows.

BZ#1133051

> In the older version of Cloud Forms Management Engine, a missing
> route error about download data was encountered when attempting
> to download a text or CSV file from the Download drop down menu
> option under the Flavors option of the Clouds main menu item.
> This was fixed by adding the missing route information to the VMDB
> configuration. Downloading flavors data now works as expected.

BZ#1134068

> In Infra > Repositories, selecting the checkbox next to a
> repository, and clicking Policy > Manage Policies in the toolbar
> resulted in a missing route error, preventing the page from
> loading correctly.
>
> Added missing policy protect routes for the Repository controller
> and the issue has now been resolved.

BZ#1147075

> In the beta version of CloudForms Management Engine 5.3, when
> adding an Amazon EC2 provider, the validate button remained
> disabled even after all the information required to add the
> provider was entered. This was because the code to enable the
> button checked the contents of a non existing text field. This bug
> was fixed by changing the code to check for content in the
> correct field. The validate button now gets enabled as expected
> when adding an Amazon EC2 provider.

BZ#1093222

> Navigating and viewing C&U graphs in RHEV and Openstack required
> at times greater than 10-15 seconds.
> Changed server monitor_poll default to 5 seconds which fixed a
> number of timing issues which were queue timing delays. C&U

> especially gets a lot snappier and the effect on the appliance CPU usage was found to be negligible.

BZ#1093663

> In the beta version of CloudForms Management Engine 5.3, clicking on any button under Infrastructure -> Virtual Machines resulted in an undefined method error in the production log file. However there was no impact at the user interface level. This bug was fixed by code changes in the appliance back end. These undefined errors are no longer seen in the appliance's production log.

BZ#1093389

> In the previous version of CloudForms Management Engine, using VMWare's VMRC plugin to access virtual machine consoles failed. This was fixed by enabling the VMRC plugin for Firefox and Chrome browsers. Additional SELinux policy changes may be required to allow the VMRC plugin to run correctly. Users are now able to access virtual machines using the VMRC plugin.

Documentation

BZ#1083340

> The Integration Guide has been updated with content for the new REST API.

BZ#1098238

> There were suggestions to add clarity to the section âCustomization Templates for Virtual Machine and Instance Provisioningâ about ISO provisioning.
>
> Added more information to the section in the CFME Lifecycle and Automation Guide as per suggestions.

BZ#1050438

> There was a request for Automation Guide to provide more detail on how Error/Retries work.
>
> Added more information in the Automation Guide about on entry and on error, while pointing out how the retry logic, on_entry and on_error are distinct cases in the program flow.

BZ#1136943

> Previously, after a manual yum update of the 'cfme' and 'cfme-appliance' packages, the appliance would shut down and update, but then fail to start back up again. This was because the $posttrans scriptlet of the CFME RPM contains and executes the following: "posix.exec('/sbin/service', 'evmserverd', 'watchdog_start')". But "evmserverd" doesnt support

"watchdog_start" in 5.3, only "start". To get around this, a
workaround was documented in the following article:
https://access.redhat.com/articles/1198123. Now, by following
these steps, the appliance is successfully shut down, updated, and
brought back up automatically.

BZ#1118505

The CFME Lifecycle and Automation Guide now documents that CFME
currently supports the provisioning of VMware ESX hosts and
hypervisors only.

BZ#1128919

Red Hat CloudForms documentation directed users to raise bugs
against the guides using Bugzilla, but bugs cannot be filed
against Red Hat CloudForms by external users. The feedback section
of the guides now instructs users to raise issues through GSS.

BZ#1108189

A "CloudForms Management Engine NetApp Storage Integration" guide
has been created to document the tech preview NetApp provisioning
option.

BZ#1029520

For EVMProvisionRequestEX, need more information about the
supported fields for "vmFields", "Requester" or the other array
elements.

Tables have been added for supported fields
"EVMProvisionRequestEx" in the CFME Integration Services Guide.

BZ#1014500

Red Hat CloudForms bugs are now publicly visible, but external
bugs must be raised through GSS.

BZ#1083339

A new User Guide is now available for no-administrative users of
Red Hat CloudForms.

BZ#1103043

The Installation Guide has been replaced with three platform-
specific installation guides: Installing Red Hat CloudForms on Red
Hat Enterprise Virtualization, Installing Red Hat CloudForms on
Red Hat OpenStack Platform, and Installing Red Hat CloudForms on
VMware vSphere.

Chapter 2. RHBA-2014:1864 - Red Hat CloudForms 3.1.1 Bug Fix and Enhancement Update

Appliance

BZ#1153337

> After migrating appliances to version 5.3, navigating to Service
> > Catalogs threw a "no encryption key v1_key" error message. The
> v1 key was found in the miq_requests table in the options column.
> Therefore, users were unable to get to service catalogs via UI
> since it was storing the v1 key. The keys present in miq_requests
> table are now migrated and unavailable pages (throwing v1_key
> error) now work and the issue is now resolved.

BZ#1153748

> Attempting to define a FTP location (with userid and password) as
> a log depot failed in the 5.3 release with an error message
> 'Error During 'validate' uninitialized constant 'MiqFtpSession'
> '. The following changes have been made to fix the issue.
>
> - Use the new method to validate log depots.
> - Delete unused method LogFile.validate_log_depot_settings.
> - Delete method LogFile.verify_log_depot_settings.
> - Add FileDepotFtp.validate for depot validation.
> - Change the signature of FileDepotFtp#connect and #with_connect
> - Move the Samba log depot validation code from
> LogFile.verify_log_depot_settings into FileDepot

BZ#1153749

> Red Hat CloudForms 3.1 (CFME 5.3.0.15) archive logs intended for
> Red Hat DropBox have malformed names resulting in only the most
> recent logs available in Dropbox. This fix corrects file name
> generation and the logs upload successfully.

BZ#1153777

> Certain Appliance Console scripts overwrote the current
> encryption key (v2_key). This fix adds --force-key and a warning
> option to the fix_auth script. This stops the encryption key from
> any overwrites.

BZ#1012623

> The VM C&U Processing Complete events did not trigger due to
> issues with alerts restrictions for the event. This fix removes
> these events from the Policy Event assignment screen.

BZ#1012619

> The Host C&U Processing Complete events did not trigger due to

issues with alerts restrictions for the event. This fix removes
these events from the Policy Event assignment screen.

BZ#1056176

The dynamic drop down expected the values to be in [description,
key] order instead of [key, description] order. As a result,
attempting to sort by value will sort by the description and
attempting to sort by the description will sort by the value.
Code has been updated to swap DropDownDynamicList options and
values which has now fixed the issue.

BZ#1148610

The model name for association_type used to retrieve records was
'Vm' instead of 'VmOrTemplate', which caused hourly capacity and
utilization charts to display 'None' for records found when the
'Group by' option was selected for retrieving virtual machines
associated with a particular tag. The association_type has been
updated with the correct model name, and hourly charts now
display correctly.

BZ#1153821

In the previous version of CloudForms Management Engine,
utilization trend for datastore under Optimize, displayed
incorrect value. The value of Max Used would always be zero
bytes. This issue was caused because the value of attr_accessor
was specified. As a result, the methods responsible for populating
the trending data for datastore were not being called.
attr_accessor was removed in order for the methods to be called,
which resolved this issue. Now, the correct value is displayed for
Max Used.

BZ#1154151

In the previous version of CloudForms Management Engine, customer
reports and dynamic trees stopped working if a multi group user
accessed them again after switching groups. This was due to
dynamic tree cookies created before switching the groups. This
issue was fixed by deleting the dynamic tree cookies when the
session was reset as a part of switching groups. The customer
reports and dynamic trees now work correctly in the latest version
of CloudForms Management Engine.

BZ#1005285

Red Hat CloudForms erroneously allowed snapshots of templates.
This fix disables snapshots UI options for templates. The UI
options for snapshots no longer appear for templates.

BZ#1158604

There were certain branding issues on the Console and there are still some items labelled EVM which should be changed to CFME. This fix updates localized product name in appliance console. All product names are updated appropriately and the issue is now fixed.

BZ#1147515

A dialog_runner script running after a dialog was loaded caused past dates to display even when the "Past Date" checkbox was not selected during service dialog creation. The code has been updated to set date_from for the calendar during the initial load of the dialog, and the miq_cal_dateFrom JS variables from dialog_runner are no longer set after a field is changed in the form as the value of "show past dates" cannot be changed after the dialog is loaded. Past dates are no longer displayed if this option is not selected for the dialog.

BZ#972935

The Red Hat CloudForms library used to map RHEVM event codes lacked event 533. This caused Red Hat CloudForms log errors when a host could not connect to a storage device. This fix adds the missing event code 533 to the event mappings, which removes the log errors.

BZ#1152688

While attempting PXE provisioning, the Appliance reports the provisioning action as being completed, but an error state was set. This fix updates the code to set raw power state in PXE/ISO provisioning. This has now fixed the issue and there is no error seen while PXE provisioning.

BZ#1122279

Non-critical error messages appeared when starting or restarting the the evmserverd service. This is due to missing environment variables for the Ruby Bundler. This fix add environment variables to the Bundler setup, which removes the error messages.

BZ#1032763

This enhancement adds new Automate Methods for cloud-based provisioning. These methods include: availability_zone, cloud_network, cloud_subnet, security_group, floating_ip, flavor, auth_key_pair_cloud.

Created expose_eligible_resources to dynamically create eligible/set methods used in automate provisioning service models. Refactored miq_provision and miq_provision_request to use expose_eligible_resources.

> Added eligible_* methods to miq_ae_service_miq_provision_cloud
> model
> Derive Amazon and Openstack models from the cloud model.
> Refactored miq_provision_mixin to support cloud and infra methods.

BZ#1131153

> The RHEVM appliance images were thick-provisioned, which imported
> slowly. RHEVM appliance images now use thin-provisioned qcow2,
> which speeds up the import process.

BZ#1152269

> This enhancement adds the ability to be automatically log into
> the Appliance through Kerberos Single Sign-On. Administrators can
> now configure the Appliance to use Kerberos tickets as a means of
> authentication.

BZ#1080091

> Issues with the close and disconnect methods in the VixDiskLib
> library trigger a core dump. This fix corrects the behaviour of
> the close and disconnect methods in VixDiskLib. The library no
> longer triggers a core dump.

BZ#1153778

> Issues with bad encryption keys (aka v2_key) caused problems with
> database access for the Appliance. This fix adds the --v2 option
> to fix_auth.rb to fix these encryption keys.

Automate

BZ#1155248

> The new version of CloudForms Management Engine has a new key in
> the provisioning task's options called clone_options. This option
> allows the user to construct the keys and values required to add
> new, or override existing key value pairs passed to the
> provisioning task. Users can use this option to define new disks
> or set other keys to control the provisioning process as required.

BZ#1139880

> Due to lack of support for Distinguished Name user types, Red Hat
> CloudForms LDAP users received an authentication error when
> provisioning or cloning VMs. This fix adds support for the
> Distinguished Name user type, which removes the authentication
> issue when provisioning or cloning VMs.

BZ#1154081

> In the previous version of CloudForms Management Engine, in the

> "Adding a new Service Catalog Item" page, one of the values in the service catalog item type used to be "Redhat". "Redhat" is a brand violation. It should be "Red Hat". To resolve this issue, the service catalog item type was changed to "RHEV" from "Redhat", since RHEV distinguishes RHEV from RHEL OSP. In the latest version of CloudForms Management Engine, "RHEV" appears in the service catalog item type.

BZ#1156153

> In the previous version of CloudForms Management Engine, a custom automate button always created a service reconfigure request, instead of running the automate method specified in the button's definition. This was due to incorrect handling of the custom buttons actions. This issue was fixed by ensuring that the custom button's actions were always delivered to Automate. Clicking a custom button in the new version of CloudForms Management Engine now runs the expected automate method.

Control

BZ#1153336

> The expression editor for VM condition did not offer Tag check for the VM and Instance. The tag part of the condition expression editor was missing the tag references for the VM and Instance. References to .Cluster, .Datastore, .User and others were seen, but not the `VM and Instance.My Company Tags : <group name>` entries. Thereby, it was unable to use the tags on the VM/Instance in the expression. This fix adds VM to list of TAG_CLASSES to show My Company Tags for VMs.

Insight

BZ#1156630

> In the previous version of CloudForms Management Engine, the only authentication method available to connect to the winrm service on the Microsoft System Center Virtual Machine Manager server was Basic (SSL). This bug was created to provide Kerberos authentication in addition to Basic (SSL) authentication for the Microsoft SCVMM provider. Users are now able to authenticate with their kerberos password in the new version of CloudForms Management Engine.

BZ#1108898

> This update adds new file systems since the release of RHEL 7. This allows customers run SmartState Analysis without errors relating to missing file systems.

BZ#1152685

> When adding a new cloud provider to OpenStack, the credentials are sent in clear text. This fix adds support for encrypted Openstack connections and credentials are no longer sent in clear text.

Security

BZ#1159378

> Internet Explorer users were unable to access CloudForms Management Engine due to a recent security fix that disabled SSLv3 (POODLE). This fix corrects the web server configuration so that Internet Explorer users can access CloudForms Management Enginer even with SSLv3 disabled.

WebUI

BZ#1149166

> Navigating to Infrastructure -> Datastores caused an error when displaying storage with null storage type: undefined method 'downcase' for nil:NilClass [storage/show_list]. /var/www/miq/vmdb/app/views/layouts/quadicon/_storage.html.erb:5 has been updated to display null storage types correctly, and Infrastructure -> Datastores works as expected.

BZ#1158205

> There was a typo on the Web UI, ISO properties edit screen.
>
> -Fixed a typo on the forms in PXE explorer and the issue is now resolved.

BZ#1146989

> Attempting to add or edit schedules on the Configuration -> Settings page failed due to a RoutingError with the message: [----] F, [2014-09-25T22:37:34.741393 #3219:9e17f4] FATAL -- : Error caught: [ActionController::RoutingError] invalid button action /manageiq/vmdb/app/controllers/ops_controller.rb:87:in `x_button' A new toolbar for the Schedule button in the Reports explorer has been created and the code updated so the application_helper loads the appropriate toolbar file. Adding and editing schedules now works as expected.

BZ#1145741

> Zooming in on a virtual machine graph then attempting to group the graphs by a tag caused an error: undefined method '[]' for nil:NilClass [host/perf_chart_chooser]. The grouping code has been updated to reset the index value if a user attempts to filter by

tags that do not include the graph currently being viewed. In this situation, the user is now presented with all available charts zoomed out.

BZ#1149360

Zooming in on graphs, while doing side-by-side comparison of C&U graphs of VMs with host/cluster, displayed graphs for different metrics and did not match up. This was due to the ordering of the C&U graphs for hosts and clusters. While doing a side-by-side comparison, the metrics graphs for a VM were ordered like this: CPU, Memory, Disk I/O, Network I/O. The metrics graphs for a parent host/cluster were ordered like this: CPU, Virtual Machine CPU States, Memory, Disk IO. This fix adds an applies_to_method to chart for Parent Host and Cluster charts so charts side-by-side comparison charts match up.

BZ#1149147

After creating a button group and ordering the constituent buttons, the sort was not honored when the buttons were displayed in the UI. The application_helper code has been updated to retain sort order for custom button groups, and these now display as ordered.

BZ#1151191

The Appliance UI would show values listed multiple times for the global region in the Start Page - Show at Login drop down list of the Configure > My Settings section. This fix adds the miq_shortcuts table to the replication excludes list which has now fixed the issue and no duplicate entries appear.

BZ#1126536

Previously, it was possible to delete a role that had a group assigned, but attempting to then delete the group returned an error. Now, a role with a group assigned, or a group still in use by a user, cannot be deleted. As part of the same fix, read only roles and groups cannot be deleted. Attempting to perform any of these actions will return an explanatory error message.

BZ#1149146

Clicking the empty, rightmost column header in the service catalog table (Services -> Catalogs -> Service Catalogs) resulted in an "undefined method 'split' for nil:NilClass [catalog/explorer]" error when the UI attempted to sort based on that column. Non-sortable column headers can no longer be clicked, and the UI takes no action when attempting to click on these headers.

BZ#1152413

Users could choose "Revert to Selected Snapshot" for a virtual machine without snapshots. This fix disables Revert to / Remove Snapshot button when viewing a virtual machine without snapshots.

BZ#1152416

Selecting a datastore for a provider in the relationships table and attempting to remove the datastore does not result in any error message. This fix the issue adds the message for this chain of events and the Appliance now shows the following flash message: "[datastore name]: cannot be removed, has vms or hosts."

BZ#1149119

Navigating to Configure -> Configuration -> Diagnostics, then clicking the Database tab returned an "Unexpected error encountered" page with the message: undefined method 'display_name' for nil:NilClass [ops/change_tab]. The traceback for accessing the database tab was not functioning correctly, and database depot selection was not working due to @prev_uri_prefix being erroneously overwritten by the log_depot_get_form_vars() method. The fix correct the log_depot_get_form_vars() method, which no longer overwrites @prev_uri_prefix. This displays the database tab correctly.

BZ#1156170

In the previous version of CloudForms Management Engine, the Edit, Copy and Delete options for a time profile were not disabled after the time profile was deleted. Selecting one of these options again after deleting the profile resulted in an error that the time profile could not be found without an ID. This bug was fixed by refreshing the toolbar after deleting the time profile so that the appropriate items were enabled. The appropriate options are now available in the toolbar of the new version of CloudForms Management Engine after a timezone is deleted.

BZ#1153047

There was an UI issue where any changes to the C&U did not work. Redrawing the whole tree when checkbox was checked/unchecked was causing delays and was resulting in saving incorrect data when checking/unchecking many nodes in the tree in a short time. This fix renders only the checked/unchecked node and its children to show differences in blue color.

BZ#1147654

In My Services, the List View only displayed name, description, created on, and retired fields. It is helpful for users to see more types of information about their services. The following new columns have been added to the Services list: Total VMs, Total

CPUs, Total Memory, Total VM Disk Count, Total VM Disk Space Allocated, Total VM Disk Space Used, Total VM Memory on Disk.

BZ#1147648

Navigating to Configure -> Configuration -> Diagnostics, then clicking the Database tab returned an "Unexpected error encountered" page with the message: undefined method 'display_name' for nil:NilClass [ops/change_tab]. The traceback for accessing the database tab was not functioning correctly, and database depot selection was not working due to @prev_uri_prefix being erroneously overwritten by the log_depot_get_form_vars() method. The traceback has been updated to display the database tab correctly, and the log_depot_get_form_vars() method no longer overwrites @prev_uri_prefix.

BZ#1153722

When trying to access the Analysis History of a VM, The Appliance would display an error: `Database statement error encountered [vm_infra/scan_histories]`. This fix updates the SQL query for this feature and the error no longer displays.

BZ#1149171

Previously, the Request Table column names do not match up with the Request Detail page. This bug fix updates the _request.html.erb file so that all fields match up.

BZ#1146249

The flash_array was not reset when viewing secondary screens from the virtual machine summary page, resulting in Tag Edit flash messages being displayed twice on the "Genealogy for Virtual Machine" page. The flash_array is now reset so flash messages are not displayed when clicking on links such as Snapshots/Genealogy/Container/Operating System from the virtual machine summary screen after performing Edit Tags actions.

BZ#1149317

The x_active_tree and x_active_accord values for Catalog Explorer trees were not being set prior to tree building. This caused a blank page to display when users with permission to access only Catalogs attempted to view Services > Catalogs. These values are not set prior to tree building, and users with Catalog-only permission can view the appropriate pages.

BZ#1142401

The virtual machine disk information page included an incorrect fieldset that presented a non-interactive element with all the visual appearances of an interactive element. The erroneous

fieldset has been removed from these tables and the elements are
no longer misrepresented to users.

BZ#1135656

A reference to an incorrect tab id caused the following error
when interacting with the C&U graphs:

Missing partial ops/a6_tab, application/a6_tab with {:locale=>
[:en], :formats=>[:html], :handlers=>[:erb, :builder, :jbuilder,
:rjs, :haml]}. Searched in: * "/var/www/miq/vmdb/app/views"
[ops/explorer]

This fix replaces the reference to the correct tab id. The error
no longer appears.

BZ#1156150

In the previous version of CloudForms Management Engine, the
visual settings page listed the Storage and VDI options to be
shown at login even when the Storage and VDI features were not
enabled. This bug was fixed in the new version of CloudForms
Management Engine by ensuring that these options will only be
shown when these features are enabled.

BZ#1139914

SmartState Analysis reverts to a weekly schedule even if set to an
interval schedule, such as two, three, or four weeks. This fix
makes a minor code correction that re-enables weekly interval
scheduling.

BZ#1154142

In the previous version of CloudForms Management Engine, if a
multi group user accessed the dashboard widgets after switching
groups, the widgets and the dynamic trees stopped working. This
was due to dynamic tree cookies created before switching the
groups. This was fixed by deleting the dynamic tree cookies when
the session was reset as a part of switching groups. The dashboard
widgets and dynamic tree works correctly in the latest version of
CloudForms Management Engine.

BZ#1153780

In the previous version of CloudForms Management Engine, edit
buttons were not disabled for a class node under a locked domain.
This was not expected behavior as add/edit buttons should only be
available for unlocked domains. The automate was loading
incorrect toolbar buttons while changing tabs, which was causing
this issue. This issue was fixed by reloading toolbars when tabs
are changed on the class node and only "Copy this class" is
available for a locked domain.

BZ#1154860

In the previous version of CloudForms Management Engine, users were not able to reorder elements in an existing service dialog box. This issue was because of missing route information required to reorder elements. This bug was fixed by adding in the missing route information. Users are now able to reorder elements in an existing service dialog box as expected.

BZ#1159027

The Realm field was too small (15 characters) when adding a SCVMM provider and configuring. This cause problems for FQDNs. This fix increases the size of Realm text field and FQDNs can be used in this field.

BZ#1155295

In the previous version of CloudForms Management Engine, it was not possible to apply a compliance check policy to a VM as Save button on the virtual machine policy assignment screen did not work. This issue was due to a fatal syntax error in the code parsing the expression used to apply the compliance check policy to a virtual machine. This bug was fixed by correctly handing syntax errors when evaluating the policy's expression. Compliance policies can now be applied to virtual machines as expected.

BZ#1156127

In the previous version of CloudForms Management Engine, the policy import commit screen did not show the items to be imported correctly, leading to confusion when importing policy. This issue was caused by the grid tool not rendering all its rows in production mode. This bug was fixed by enabling the grid tool to render all its rows. Users can import policy definitions as expected in the new version of CloudForms Management Engine.

BZ#1151543

On the Resource pool summary screen, selecting multiple VMs to compare results in a missing compare routes error. This fix adds missing routes for comparing VMs under a resource pool. No error appears when comparing VMs.

BZ#1156602

In the previous version of CloudForms Management Engine, clicking on a host or VM in the RSS feed widget resulted in a browser error. This was due to an incorrect URL generated by the RSS feed widget. This bug was fixed by correcting the URLs generated by the RSS feed widget. Clicking on the RSS feed widget in the new version of CloudForms Management Engine takes the user to the host or virtual machine summary page as expected.

BZ#1148518

A typo in the exception block in the update_fields method caused a UI error when an exception occurred while updating the Automate schema field: undefined local variable or method 'truemail'. The typo has been fixed, and the UI correctly displays an exception flash message.

Chapter 3. RHSA-2015:0028 - Red Hat CloudForms 3.1.2 Security, Bug Fix, and Enhancement Update

Appliance

> **BZ#1102724**

> In Config > Configuration > Red Hat Updates > Edit registration,
> attempting to register an appliance using http proxy failed.
>
> Code has been updated to fetch the correct authentication type;
> this has now resolved the issue.

> **BZ#1157807**

> Need to support seeding of service dialogs with an appliance,
> similar to how provisioning dialogs and other resources are
> supplied.
>
> Updated code to support seeding of Dialogs
> Also,
> -Moved MiqDialog yaml seed files to product/dialogs/miq_dialogs
> -Refactored spec to use fixture file and seed MiqRegion
>
> These changes have fixed the issue; service dialogs delivered with
> the appliance can now be seeded into the database.

> **BZ#1161272**

> Connection to RHEVM using SSLv3 was disabled by customers to
> protect from the POODLE attack. As a result, there was no
> communication with RHEVM.
>
> Code has been updated to access RHEVM with TLSv1 and above. This
> has now resolved the issue and communication with RHEV functions
> normally.

> **BZ#1168272**

> Repository status was not getting updated. On registration (both
> RHSM and Sat5), Update Status got stuck at Unsubscribed even
> though the channels set in Repository Name field were successfully
> enabled.
>
> [MiqServer][Update Management] Code updated to ensure that repo
> status is updated after enabling channels set in Repository Name.
> This has now resolved the issue and the repository status is
> correctly updated.

> **BZ#1170780**

Categories were updated so that the user can not change the default settings for default categories. However even after re-adding a category, the category reverted back to default settings such as multi-value.

Removed updating categories so users can redefine the defaults. This has now fixed the issue.

BZ#1171343

Policy_events are not allowing the cluster to delete and the operation times out.

Added purger for policy_events - PurgerMixin has been created as a set of common methods from all of the other purgers. Also added scheduler methods for purging policy_events. These changes have now resolved the issue and there is no longer a timeout.

Automate

BZ#1161265

When attempting to use a button on a VM/Instance, that is trying to load a dynamic drop down, a dialog will not display.

Added missing route "dynamic_list_refresh" to various controllers. This has now fixed the issue as it displays the dialog correctly and is able to run the method.

BZ#1162832

Extended CreateAutomationRequest to accept the zone as a parameter, and extended the automation code to run automation tasks only on an appliance that is in the specified zone. Due to firewall constraints, only Red Hat CloudForms appliances in the correct Red Hat CloudForms zone are able to access ESX hosts, and it was a requirement to run automation tasks on one of these appliances, but not anywhere else.

Result: The required zone can be specified in the "parameters" being passed to CreateAutomationRequest. The attribute name is called miq_zone

BZ#1164035

This user message enhancement enables custom messages to be set for the progression of the state machine and its success or failure. Currently, the automation engine provides default messaging for the progression of the state machine and its success or failure. The default messaging is used if the user_message is not specified.

> If the user_message is specified at any point in the state
> machine, the user determines either to supply the user_messages
> from that point forward, or to clear the user_message field and
> revert back to the default messaging behavior.

BZ#1164036

> Openstack allows you to create multiple security groups with the
> same name, but provisioning with CFME fails when selecting one of
> the security groups with the same name. CFME now uses Security
> Group ems_ref instead of name since that is guaranteed unique.
> Provisioning succeeds as expected.

BZ#1170682

> A broken VM reference in the snapshot service model caused the
> Automate method for reverting a vm's snapshot to fail. The
> reference has been fixed, and the method works as expected.

BZ#1179957

> 'fileutils' is missing at the the top of the method. When
> ose_installer attempts to create the directory for the
> @oseTemplatePath it fails with the following error: 'NameError:
> uninitialized constant FileUtils'. Added requirement for
> 'fileutils' to the top of the method and the ose_installer creates
> the directory as expected.

Control

BZ#1165214

> The vm_create policy event cannot be raised when the event is
> captured because there is no object in the system representing the
> VM at that time. Instead the event is raised as part of the post-
> create actions for a VM. In the case of cloud VMs this event was
> never being raised because of a check for a valid host associated
> with the VM. This check has been corrected.

Insight

BZ#1153784

> A race condition in the SmartProxy code caused a "File exists -
> /var/www/miq/vmdb/data/metadata" error while performing a
> SmartState Analysis. The race condition has been corrected, and
> SmartState Analysis succeeds.

BZ#1161267

> Scan profile file wildcards were not interpreted due to an error
> processing empty files. This caused scan profiles set to collect
> /etc/*.conf files resulting in nothing being collected despite

files matching that regex. Empty files are now processed properly during analysis, and results are collected correctly.

BZ#1162735

In the earlier version of CloudForms Management Engine, a custom widget with visibility limited to selected groups was not accessible to any group. This was because the widget availability code did not check for group visibility, only role visibility. This issue was fixed by changing the visibility code to check for accessibility by both groups and roles. Widgets visibility can now be limited to selected groups as expected.

BZ#1165305

In the earlier version of CloudForms Management Engine, the Open Stack inventory collection code produced an error when a volume attached to an instance was not visible in the tenants associated with the OpenStack user account. This issue was fixed by recognising this as a valid condition and logging a message that the volume could not be accessed, instead of generating an error. The error is no longer generated in the new version of CloudForms Management Engine, although the volume's inventory data remains uncollected and the link to the instance is not set.

Vulnerability

BZ#1151258

It was found that the CloudForms Management Engine customization template used a default root password for newly created images if no root password was specified.

BZ#1157881

It was found that CloudForms Management Engine exposed SQL filters via the REST API without any input escaping. An authenticated user could use this flaw to perform SQL injection attacks against the CloudForms Management Engine database.

WebUI

BZ#1098305

In the earlier version of CloudForms Management Engine, the administrator was not able to edit the default appliance zone. This was because editing the default appliance zone description was disabled. This was fixed by changing the code to allow the default appliance zone description to be changed. The administrator is now able to change the default appliance zone description in the new version of CloudForms Management Engine.

BZ#1123955

Validating credentials for a Netapp Storage Manager caused the CloudForms Management Engine to add the manager without a name. This fix prevents CloudForms Management Engine from creating the Storage Manager during validation.

BZ#1145304

Passwords that have been submitted to the CFME database are retrievable in the UI and are obfuscated with asterisks. However, when viewing the HTML source the passwords are visible in plain text. Passwords are no longer passed to HTML forms, and cannot be viewed in the source.

BZ#1158928

Red Hat CloudForms previously disallowed empty display names for an instance. As a result, you could not reset instance names by blanking them out. This fix allows users to save empty display name for an instance. Now users can blank out instance name.

BZ#1160879

The Reports Editor was missing "Cloud/Infrastructure Provider.My Company Tags: *" fields when adding a Hosts report. This fix adds ExtManagementSystem to the TAG_CLASSES list, which results in "Cloud/Infrastructure Provider.My Company Tags: *" appearing in Available Fields.

BZ#1161761

In the earlier version of CloudForms Management Engine, an error occurred when trying to edit input parameters for a method in the Automate Explorer. This was due to an incorrect data type assigned to the Automate method input parameters field. This was fixed by changing the data type for the Automate method input parameters field to be 'string'. The Administrator is now able to edit Automate methods as expected.

BZ#1162806

In the earlier version of CloudForms Management Engine, uploading a sys-prep answer file to provision a Windows virtual machine resulted in bugs with rendering provisioning dialog form components (such as the submit button). Additionally, the layout abruptly changed from explorer to non-explorer. This resulted in an inability to provision virtual machines. This issue was fixed by correcting the rendering bugs that were seen after uploading the sys-prep answer file. The provisioning dialog form renders correctly and the user is able to provision virtual machines using a sys-prep answer file in the new version of CloudForms Management Engine.

BZ#1163024

> When a Chargeback Report had no data, an error appeared when
> selecting "Show Full Screen Report" under Chargeback -> Reports.
> This fix disables report download buttons when no records are
> available. This stops the error from appearing.

BZ#1163384

> In the earlier version of CloudForms Management Engine, an error
> occurred after attempting to add a new forest in the trusted
> forest settings box, when configuring LDAP authentication for the
> appliance. This was due to missing route information for handling
> the action to add a new forest. This bug was fixed by adding the
> missing route information. The administrator is now able to add a
> new forest when configuring LDAP authentication for the appliance.

BZ#1164034

> The array that stored the reports (the children) for a particular
> Report tree node stored nil values in the absence of the
> corresponding report records. Attempts to view Performance by
> Asset Type report as user Admin resulted in an error. This fix
> populates the Reports tree children for a node only if reports
> exists. No error appears when attempting to view Performance by
> Asset Type reports.

BZ#1166214

> In the earlier version of CloudForms Management Engine,
> provisioning a virtual machine never finished if a callback URL
> was called during provisioning. This was due to missing routing
> information for the callback URL. This was fixed by adding the
> missing routing information. Administrators are now able to
> provision virtual machines when using the callback feature.

BZ#1166215

> In the earlier version of CloudForms Management Engine, an error
> was presented in the Explorer when selecting the check all option
> in the Storage menu item under Assignments under the Chargeback
> main menu item. This was due to an incorrect call to a method
> that applied only to the Chargeback Rates accordion was being
> called in the Explorer. This was fixed by hiding the paging
> controls in the Chargeback Explorer menu item. No errors are
> presented in the Storage menu item under Assignments under the
> Chargeback main menu item in the new version of CloudForms
> Management Engine.

BZ#1168282

> The Red Hat Updates page did not filter Appliances by Region and
> showed Appliances that should not be displayed. This fix adds code
> to filter by Region on Red Hat Updates page. Now the page only
> displays applicable Appliances.

BZ#1170794

> Trending reports do not have columns like regular reports. This
> meant users were unable to create a widget from a trending
> report. This fix adds logic to display "No Widget compatible
> Reports found" when filtering by trending reports in widget
> editor. Now users can not longer select trending reports for a
> widget.

Chapter 4. RHBA-2015:0261 - Red Hat CloudForms 3.1.3 Bug Fix and Enhancement Update

Appliance

> **BZ# 1141299**
>
> > Fix_auth (used in migration) did not update database.yml making
> > it unable to log in to the CFME Appliance after upgrade.
> > Ability to encrypt database.yml from fix_auth has been added
> > which has now fixed the issue. After encrypting database.yml, able
> > to use CFME.

> **BZ# 1155805**
>
> > Customer upgraded to 5.3 from 5.2.x before security hardening and
> > was unable to switch the keys over to v2_key.
> > Added ability to encrypt database.yml from fix_auth which has now
> > fixed the issue. There is now ability to switch to v2_key.

> **BZ# 1164032**
>
> > The appliance could not register to the Satellite 6 server.
> > Updated Satellite 6 certificate RPM file name. Also allowed
> > specifying an environment when registering to
> > SubscriptionManager. And, setting default environment when
> > registering to Satellite 6. These changes have now fixed the issue
> > and the appliance successfully registers to the Satellite 6
> > server.

> **BZ# 1184648**
>
> > CFME did not discover instances in all accessible tenants. As a
> > result, user was unable to provision OpenStack instance with non-
> > admin tenant.
> > Modified code to discover instance in all accessible tenants and
> > the user is now able to provision an instance in a non-admin
> > tenant with dedicated network + subnet.

> **BZ# 1185094**
>
> > Amazon added new C4 instance types; CFME does not include the new
> > instance type.
> > Code changed to include the new C4 instance type. Also, added
> > intel_avx2 attribute for the new C4 instance.
> > CFME knows about the instance type and can provision to a C4
> > instance type.

> **BZ# 1186415**
>
> > Fog gem was missing functionality, wherein volume_size was not
> > being passed to the API in the fog gem. As a result, CloudForms
> > could not provision and boot a VM via volume in OpenStack.

The required functionality has been added to the Fog gem. CloudForms can now provision and boot a VM via volume in OpenStack.

Automate

BZ#1162260

In the previous version of Cloudforms Management Engine, clicking on a custom button to run an action within a zone could result in the job being queued outside the zone. As a result, the expected action was not executed. This bug was fixed by using the zone information if it was available for the resource connected to the custom button. Actions linked to custom buttons are now executed as expected.

Control

BZ#1167365

In the previous version of Cloudforms Management Engine, the tagging inheritance code had a reference to the wrong method. As a result, control policy could not be used for a virtual machine to inherit its resource pool's parent tags. This issue was fixed by changing the code to contain a reference to the valid method name. Tag inheritence for virtual machines now works as expected.

Insight

BZ#1161266

In the earlier version of CloudForms Management Engine, Insight was not able to collect files from XFS filesystems hosted on Red Hat Enterprise Linux 7 virtual machines during fleecing. This was due to an error in the code which resulted in incorrect handling of empty files in such a setup. This issue was fixed by correcting the handling of any empty files encountered during fleecing. Users are now able to collect files from XFS filesystems on Red Hat Enterprise Linux 7 virtual machines as expected during fleecing.

BZ#1164038

In the earlier version of CloudForms Management Engine, Frankfurt was not listed as an available region when attempting to add an Amazon EC2 cloud provider. This was because of an out dated region list for the provider. This issue was fixed by updating the region list to add the EU Frankfurt region. Customers are now able to select the Frankfurt region when adding an Amazon EC2 provider.

BZ#1178990

The CFME code does not account for SCVMM Hosts without an IP or mgmt IP, which causes inventory not to be collected on SCVMM

Hosts. The code has been updated to handle NICs without any IPs or mgmt IP, and inventory is now collected. (Note that SCVMM support is a Technical Preview feature.)

Security

BZ#1159104

In the previous version of Cloudforms Management Engine, it was not possible to access the web user interface after SSL 3.0 was disabled due to the POODLE vulnerability. This was fixed by disabling POODLE access to the Cloudforms Management Engine web server. Access to the Cloudforms Management Engine web user interface now works as expected.

WebUI

BZ#1171342

In the previous version of Cloudforms Management Engine, users belonging to roles restricting them to virtual machines and templates that they owned had full access to all virtual machines and templates being managed by the appliance. This was due to the virtual machine browser loading an incorrect view. This bug was fixed by changing the virtual machine explorer code to load the correct view. Restricted users can only see their own virtual machines in the new version of Cloudforms Management Engine.

BZ#1180252

In the previous version of Cloudforms Management Engine, catalog items under the service catalog accordion did not load when using the Internet Explorer browser. This was due to a redundant call to a sorting method for the display grid. This bug was fixed by removing the redundant call to the sorting method. The catalog items now load as expected in the new version of Cloudforms Management Engine.

BZ#1180253

In the previous version of Cloudforms Management Engine, the service order form did not display correctly in the Microsoft Internet Explorer browser. This was due to incompatible HAML syntax being used in the service order form. This bug was fixed by changing the HAML syntax to be compatible with the Microsoft Internet Explorer browser. The service order form is displayed as expected in the new version of Cloudforms Management Engine.

BZ#1184967

In the previous version of Cloudforms Management Engine, the appliance configuration interface had a maximum limit of 31 characters when entering a SMTP server host name. As a result, SMTP server host names larger then 31 characters could not be

used. This issue was fixed by changing the code to allow 255 characters for the SMTP server host name as per networking standards. It is now possible to use SMTP server host names larger then 31 characters.

BZ# 1185462

In the previous version of Cloudforms Management Engine, typing an incorrect URL for a Red Hat Satellite service would result in an inability to update the Cloudforms Management Engine appliance. This was because there was no validation of the URL entered for the Satellite service. This issue was fixed by validating the Satellite service URL against a regular expression. The user is now presented with an error message if this URL is in the wrong format.

BZ# 1190826

When making changes to LDAP Host Names in the CFME UI using Configure -> Configuration -> Settings -> Server -> Authentication, the last change is not saved. Depending on the changes, this caused LDAP authentication to fail. The code has been updated not to delete from an array while iterating through it. LDAP Authentication changes are now saved successfully.

Chapter 5. RHBA-2015:0890 - Red Hat CloudForms 3.1.4 Bug Fix and Enhancement Update

Appliance

BZ#1207860

> In the previous version, the df command was getting hung up for a
> while as it tried to list network file systems. This caused the
> log to have many df commands running at the same time.
>
> Mounted NFS volumes that go down can cause the hang up of df.
> With this release, to avoid the hang up, code was updated to
> limit df commands to local file systems if no file is provided. As
> a result, top_output.log does not fill the log file system and the
> issue is now resolved.

BZ#1194038

> In the previous version of CloudForms Management Engine, accessing
> the web user interface appliance connected to the same regional
> database randomly through a load balancer, resulted in an
> uninitialized constant error. This error was being caused due to
> the load path being based on the current file instead of
> Rails.root. This bug was fixed by building the load path based on
> Rails.root. The web user interface now works correctly in a load
> balanced environment.

Automate

BZ#1195825

> In the previous version of CloudForms Management Engine, when two
> virtual machines were provisioned within a short time span, the
> same name could be assigned to both virtual machines. This was
> because the code used to derive the virtual machine name appended
> the same number to the name in both the cases. This bug was fixed
> by storing the next naming sequence number in custom attributes.
> Virtual machines are now assigned unique names in the new version
> of CloudForms Management Engine.

BZ#1196246

> In the previous version of CloudForms Management Engine, users
> were able to select the 'none' option on the customize tab while
> provisioning virtual machines. This was because the option 'none'
> was available even when there were no custom specifications
> available. This bug was fixed by removing the 'none' option from
> the list of custom specifications when it was not required. The
> customize tab no longer presents the 'none' option when
> provisioning virtual machines.

BZ#1190225

In the previous version of CloudForms Management Engine, virtual machine migrations used to fail with the error that the Parse_provider_category method could not parse the vm_migrate_request object information. This was due to missing virtual machine migrate state machine path information. This bug was fixed by adding the missing path information. Virtual machine migrations now works as expected in the new version of CloudForms Management Engine.

BZ#1194768

In the previous version of CloudForms Management Engine, reconfiguring a virtual machine using the web user interface failed as the process for reconfiguring the virtual machine did not get completed. This was because the reconfiguration task was not approved automatically, and the user had to approve the reconfiguration on the Requests page. This process bug was fixed by presenting the Requests page to the user after submitting the reconfiguration request. Reconfiguring a virtual machine in the new version of CloudForms Management Engine works as expected.

Insight

BZ#1196326

In the previous version of CloudForms Management Engine, provisioning a virtual machine from a VMware template resulted in the wrong number of CPU sockets and cores being assigned to the virtual machine. This was because the VMware provisioning work flow did not gather this information from the template due to a performance issue resulting from this process. This bug was fixed by gathering the CPU socket and core information in a manner that did not result in a performance impact. The correct CPU socket and core information should now be available when provisioning from a VMware template in the new version of CloudForms Management Engine.

BZ#1199592

In the previous version, CloudForms Management Engine was unable to handle the host and datastore events correctly since they were not being populated into the bottleneck_events table. As a result, bottleneck report data for hosts was not getting generated.

With this release, filtering events on the base class has fixed the issue. Bottleneck reports for hosts are now available.

Providers

BZ#1209168

Amazon has added four new instance types called D2, and deprecated the one HS1 instance type. Therefore, new instance

type needed to be added to CFME.

Added new Amazon D2 instance type and deprecated the HS1 instance type. New instance types are now available.

Provisioning

BZ#1200152

after_request_task_create was called twice during service provision. As a result, when provisioning a VM through a service and using the functionality of the default naming method, server names were incremented by 2.

An extra call to after_request_task_create was removed as create_request_task already calls after_request_task_create. This has now fixed the issue; VMs provisioned through services increment by 1 (one).

Web UI

BZ#1191222

In the previous version, role_allows? method was set to false. As a result, self-service users were unable to see utilization metrics for their own VMs, resulting in RBAC error.

role_allows? method has been changed to return true for common hidden features and users can now see the utilization metrics without an error.

BZ#1199226

A bad IF condition was causing errors on Service Dialog Requests page. This made it unable to view requests.

With this release, the IF condition has been fixed and Service Dialog requests can now be viewed.

BZ#1196919

In the previous release, queuing schedule from containing folder was resulting in an error.

The params[:id] check was added for correct functioning of checked schedules. This has fixed the issue and schedule can now be queued.

BZ#1196748

Earlier, request approvals were tied to a role name. As a result, when creating a new role by copying "EvmRole-approver" without changes, the new role was unable to see the provisioning request to approve it.

Code was updated to allow MiQ request approval by feature rather than the role name. Thereby, approval can now be done by other roles.

Revision History

Revision 1.6-0	**Wed Apr 29 2015**	**CloudForms Docs Team**

Add RHBA-2015:0890 - Red Hat CloudForms 3.1.4 Bug Fix and Enhancement Update

Revision 1.5-0	**Tue Feb 24 2015**	**CloudForms Docs Team**

Add RHBA-2015:0261 - Red Hat CloudForms 3.1.3 Bug Fix and Enhancement Update

Revision 1.4-0	**Tue Feb 3 2015**	**CloudForms Docs Team**

Update product name to Red Hat CloudForms

Revision 1.3-0	**Wed Jan 14 2015**	**CloudForms Docs Team**

Add RHSA-2015:0028 - Red Hat CloudForms 3.1.2 Security, Bug Fix, and Enhancement Update

Revision 1.2-0	**Mon Nov 17 2014**	**CloudForms Docs Team**

Final packages for Red Hat CloudForms 3.1.1

Revision 1.1-0	**Wed Oct 22 2014**	**CloudForms Docs Team**

Red Hat CloudForms 3.1 (CFME 5.3) asynchronous documentation release

Revision 1.0-0	**Tue Sep 30 2014**	**CloudForms Docs Team**

Initial book creation